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United Technologies

Transmitted via Email

27 February 2015

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
Rockets, Fireworks, and Flares Superfund Site
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 (now the Rockets, Fireworks, and Flares Superfund Site), the Monitoring Well Installation and Sampling Report is enclosed. This report incorporates changes made in response to U.S. EPA's comment letter dated 13 February 2015. A response to comments document is also enclosed for ease of review.

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
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Response to Comments
Monitoring Well Installation and Sampling Report
Rockets, Fireworks, and Flares Superfund Site
Rialto, San Bernardino County, California

The following addresses the United States Environmental Protection Agency's comments on the Monitoring Well Installation and Sampling Report provided in its 13 February 2015 letter.

1. Pg. 8, Sec. 2.2, 1st Par. The last sentence states that "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." To avoid misinterpretation of this statement, please clarify in the report that the statement applies only within the footprint of the 160-Acre Area (i.e., contaminated groundwater from the 160-Acre Area moves into the Regional Aquifer after it leaves the 160-Acre Area).

Response to Comment:
Section 2.2 has been deleted.

2. Pgs. 8 — 11. The discussion of "Previous Investigations" is out of date and incomplete. It does not mention the PW 1-4 wells, the CMW wells, the USGS wells, the CPW wells, or the EMW wells, and refers to trends and "recent" results that appear to predate 2009. Please update or delete the discussion.

Response to Comment:
Section 2.2 has been deleted.

3. Pg. 12, Section 3.1. There is an incorrect statement in the background section: "Historically, perchlorate and TCE have not been detected in 1S/5W-13B and CPW-17." Please correct. (Was the intent to say that perchlorate and TCE had not been detected above MCLs?) Also, please clarify the meaning of "historically" (in Section 3.1 and also on page 10, last paragraph).

Response to Comment:
That sentence in Section 3.1 has been deleted. Section 2.2 has been deleted.

4. Pg. 29, Section 6. The report refers to the unpublished results of a recent study of the isotopic composition of perchlorate in groundwater in the Rialto-Colton area. The report suggests that the elevated levels of perchlorate at USGS 1S/5W-13B are not site-related. Given that the perchlorate concentration at this well has increased significantly since the isotopic analyses were completed (to 45 ug/L in November 2014), we believe that is premature to reach even a tentative conclusion about the source of the perchlorate at this well.

Response to Comment:
Section 6 has been modified accordingly.

5. Pg. 29, Section 6. The report states that perchlorate has been detected "intermittently" in Colton-15. Our review of data from this well, from 2000 to present, indicates that perchlorate has been consistently detected. Perchlorate concentrations since 2008 have been less than the MCL, with several results above the MCL in and before 2008. Please clarify or correct the statement in the report.

Response to Comment:
Section 6 has been modified to clarify the history of perchlorate concentrations in Colton-15.

6. Table 5-1. Please add the water level results from September 2014 for PW13 and PW14. The reported November 2014 water levels for PW-14 are surprising, showing a stronger and more uniform upward gradient than observed in other monitoring wells in the area (e.g., PW13, CPW16, CPW17).

Response to Comment:
Pressure readings from PW-13 and PW-14 in September 2014 indicated that there was an issue with the pressure gaging equipment (i.e., all pressures were measured at the same value) and therefore these values are not included in Table 5.1.

7. Figure 6-1. The area of perchlorate contamination associated with the RFF site is shown in the figure to include monitoring wells PW13 and PW14, but exclude the Colton 15 and 17 water supply wells and the USGS 1S/5W-13B monitoring well cluster. As shown in the figure, the perchlorate concentration at the Colton 17 well and the USGS 1S/5W-13B well cluster exceed the MCL. We believe that it would be appropriate to indicate a higher level of uncertainty about the extent of contamination west of PW13 and south of PW13 and PW14. This could be accomplished by posting questions marks along the MCL contour or some other means. The planned isotopic analysis should provide additional information on the downgradient boundary of RFF site contamination.

Response to Comment:
Figure 6-1 has been modified accordingly.

8. Fig. 2-1: This figure includes labels for three wells that don't exist: EPA-B, EPA-G, and EPA-F. Also, most but not all of the Westbay wells are shown with a "c" at the end of the well name. Please clarify or remove.

Response to Comment:
Figure 2-1 has been modified to delete the extraneous labels and nomenclature.

9. Figure 5-1. The figure shows an interpreted 890' elevation contour just north of the location of PW-14. Please indicate whether the measured water levels at PW-14 in September and November 2014 appear to warrant a change in the interpreted contours. Also, please correct the note in the figure, which indicates that the elevations are based on June 2013 measurements.

Response to Comment:
Figure 5-1 has been modified to include November 2014 gaging data for PW-13 and PW-14 and the notes have been updated.

10. Appendix A. In the lithologic logs, PW13 and 14 are called soil vapor probe wells. Please correct.

Response to Comment:
Boring logs for PW-13 and PW-14 have been modified accordingly.

MONITORING WELL INSTALLATION AND SAMPLING REPORT

ROCKETS, FIREWORKS, AND FLARES SUPERFUND SITE
OPERABLE UNIT 2
SAN BERNARDINO COUNTY, CALIFORNIA

EnSafe Project Number:
0888815569

Prepared for:

United Technologies Corporation
United Technologies Building
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Prepared by:

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February 2015

MONITORING WELL INSTALLATION AND SAMPLING REPORT

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OPERABLE UNIT 2
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PROFESSIONAL GEOLOGIST
JOSHUA A. TEVES
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STATE OF CALIFORNIA

February 2015

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Josh Teves, PG, Project Manager

Reviewed by:

Jeffrey James, PE, Principal

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List of Acronyms

µg/L	micrograms per liter
1,2-DCA	1,2-dichloroethane
bgs	below ground surface
COCs	contaminants of concern
ft bgs	feet below ground surface
MCLs	maximum contaminant levels
MP	multi-port
OU	Operable Unit
RCB	Rialto-Colton Basin
RI/FS	Remedial Investigation/Feasibility Study
Site	Rockets, Fireworks and Flares Superfund Site
SBCFCD	San Bernardino County Flood Control District
SOPs	Standard Operating Procedures
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 Sampling Report to document groundwater investigation activities associated with the Operable Unit 2 (mid-basin groundwater; OU-2) of the Rockets, Fireworks, and Flares Superfund Site (Site) in San Bernardino County, California, conducted between June and December 2014. 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) approximately 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, and the *Addendum to Remedial Investigation/Feasibility Study Work Plan,* dated February 6, 2014, EnSafe installed and sampled two multi-port (MP) groundwater monitoring wells, PW-13 and PW-14. The installation and development of monitoring wells PW-13 and PW-14 occurred between April and August 2014. These wells were gaged and sampled on September 17-18, 2014, and again on November 19-20, 2014. EnSafe also gaged and sampled existing groundwater monitoring wells (see Section 4.0) in June, August, and November 2014. 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 documents 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 RI activities.

2.0 BACKGROUND INFORMATION

2.1 Hydrogeologic Setting

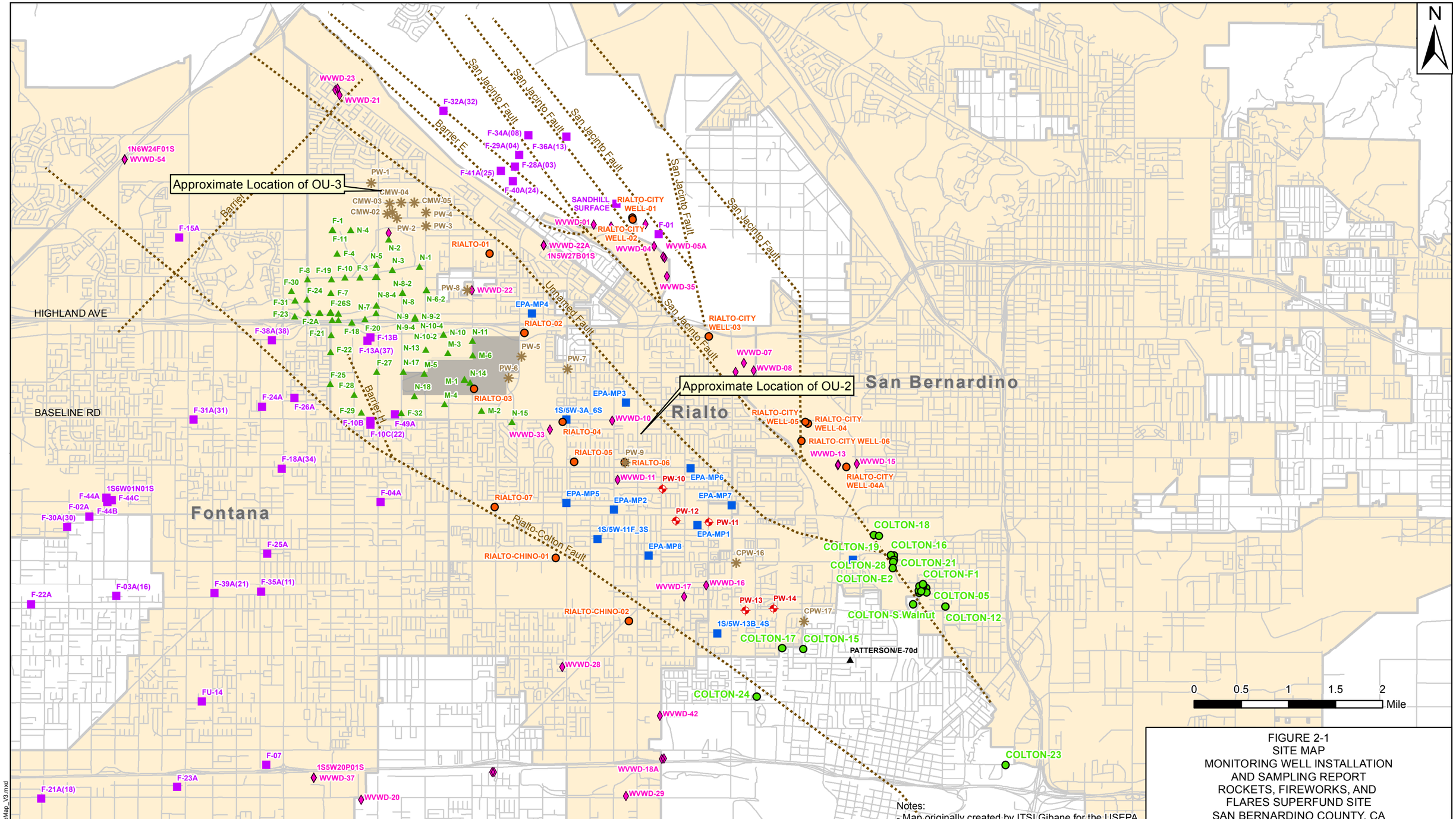
The following discussion of regional and local hydrogeology is based on three studies of the Rialto-Colton Basin (RCB) (Anderson et al., 2004; U.S. Geological Survey [USGS], 1997 and 2001), as well as reports prepared for recent investigations to determine the nature and extent of groundwater contamination. 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 miles. 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 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
ROCKETS, FIREWORKS, AND
FLARES SUPERFUND SITE
SAN BERNARDINO COUNTY, CA

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

REQUESTED BY: J. TEVES
DRAWN BY: M. SENNE
DATE: 2/17/2015
PROJECT NO: 0888813841

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

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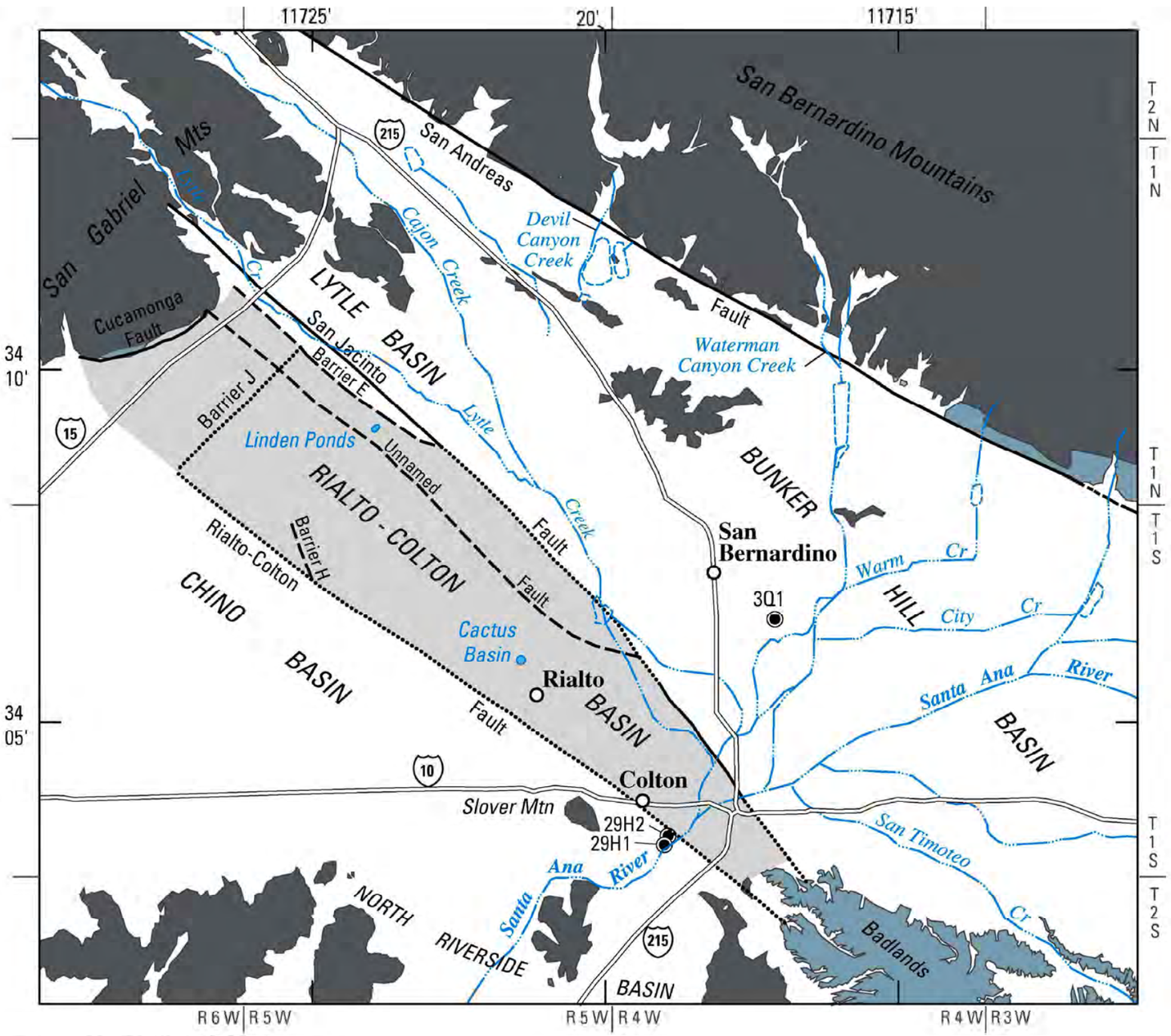

Base from U.S. Geological Survey
1:100,000 San Bernardino, 1982

0 5 MILES
0 5 KILOMETERS

EXPLANATION

Unconsolidated deposits – Shaded in Rialto-Colton Basin

Partly consolidated deposits

Consolidated rocks

Fault – Dashed where approximately located, dotted where concealed

Contact

3Q1 **Production well and number** – Used to calculate hydraulic gradient across the Rialto-Colton Basin

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
ROCKETS, FIREWORKS, AND
FLARES SUPERFUND SITE
SAN BERNARDINO COUNTY, CA

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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, on average. Recent pumping in the portion of the RCB upgradient (northwest) of Colton Avenue has approached 18,000 acre-feet per year, 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.

3.0 WELL INSTALLATION

3.1 Rationale for Well Installation Locations

The locations for drilling and installation of MP groundwater monitoring wells PW-13 and PW-14 were chosen to further define the lateral and vertical nature and extent of COCs in OU-2, particularly perchlorate, in the area downgradient of CPW-16. Based on the historical data from EPA-MP1, 1S/5W-13B, CPW-16, and CPW-17, and in concurrence with the U.S. EPA, the locations of PW-13 and PW-14 were chosen to potentially define the southern edge of the plume. PW-13 was installed to determine the presence/absence of the contaminant plume southeast of EPA-MP1, south of CPW-16, and northeast of 1S/5W-13B. PW-14 was installed to determine the presence/absence of the contaminant plume southeast of CPW-16 and northwest of CPW-17.

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* and February 2014 *Addendum to RI/FS Work Plan*.

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-13 and PW-14. 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. Well installation permits were obtained from the County of San Bernardino Department of Public Health. An encroachment permit was obtained from the San Bernardino County Flood Control District to install PW-13 within the Mill Basin right-of-way, and an encroachment permit was obtained from the City of San Bernardino Public Works Department for the drilling and installation of PW-14 within the northernmost lane of West Mill Street.

At each location, a 14-inch diameter, 30-foot-long permanent steel conductor casing was advanced in a 20-inch borehole for borehole stability.

The locations of PW-13 and PW-14 are shown on Figure 3-1 along with surrounding existing well locations.

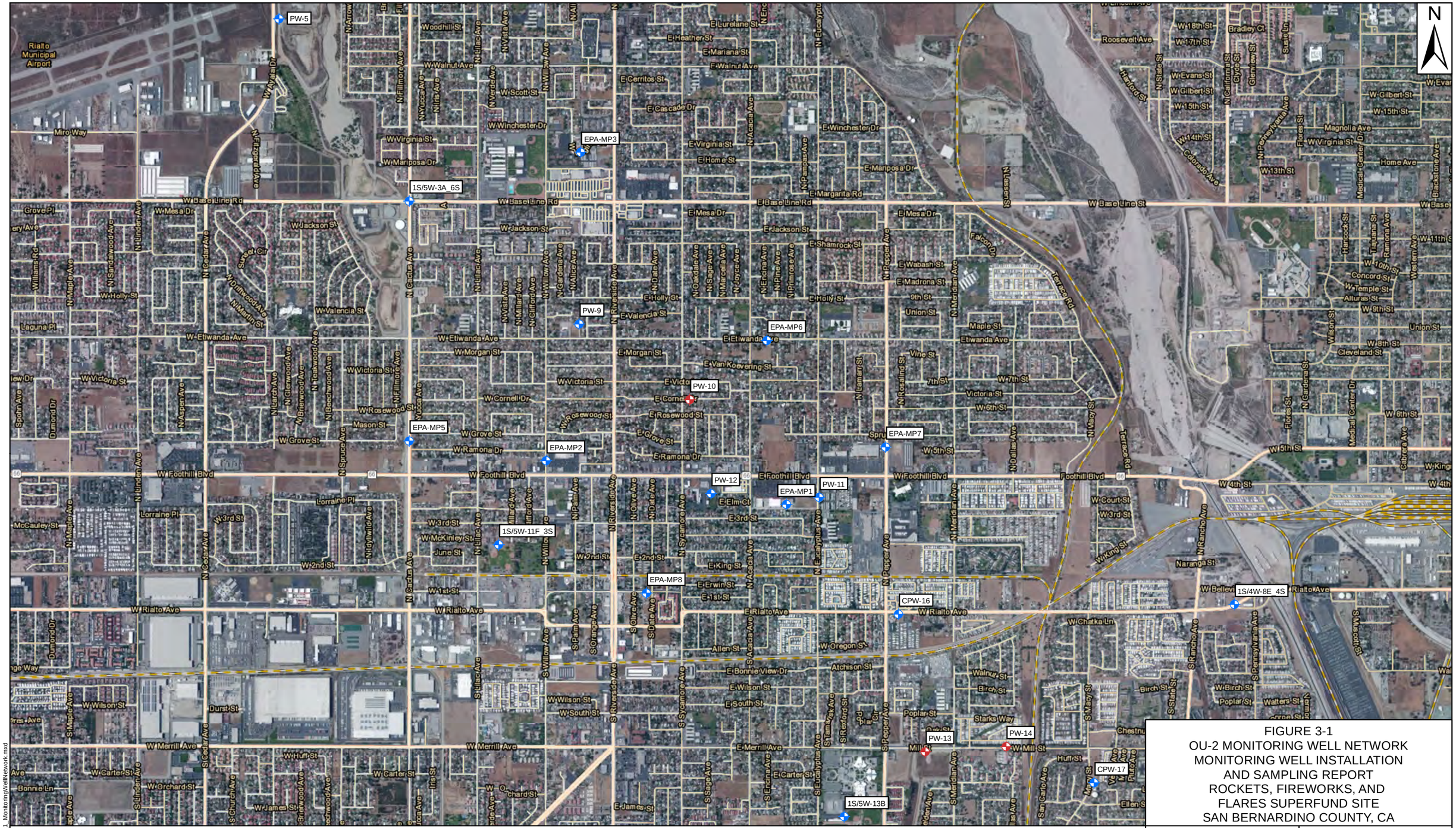

FIGURE 3-1
OU-2 MONITORING WELL NETWORK
MONITORING WELL INSTALLATION
AND SAMPLING REPORT
ROCKETS, FIREWORKS, AND
FLARES SUPERFUND SITE
SAN BERNARDINO COUNTY, CA

Legend

Existing Monitoring Wells

Recently Installed Monitoring Wells

0 0.25 0.5 0.75 1 Mile

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PROJECT NO: 0888813841	

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

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3.3 Well Construction

Wells PW-13 and PW-14 were drilled using mud-rotary techniques and constructed with flush-mount surface completions. PW-13 was completed with a sloping concrete pad raised above the surrounding surface by approximately 3 inches as specified in the San Bernardino County Flood Control District permit while PW-14 was completed matching surrounding conditions of the road. The cuttings were collected and logged every 10 feet by grab samples from the mud shaker. Lithology was recorded on boring logs by an EnSafe geologist using the Unified Soils Classification System. Upon completion to total depth, each borehole was logged using downhole geophysical tools. Downhole geophysical logs included: 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. Geophysical logs are included in Appendix C.

Wells PW-13 and PW-14 were constructed of 4-inch-diameter, schedule 40, mild-steel blank casing with 20-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 #3 sand approximately 10 feet above to 10 feet below screens (30 feet), at least 3 feet of #1/20 transition sand above the #3 sand, and a 1:1 mix of #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 and well construction logs are presented in Appendix A.

Once the cement grout was brought to within approximately 10 feet bgs, the grout was allowed to cure for at least 12 hours. After curing for 24 hours, grout was brought up to near surface and allowed to cure again for 12 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.

Table 3-1
Screen Interval Summary

Monitoring Well	Screened Interval (ft bgs)	Screened Unit
PW-13	335 — 345	Silty Sand
PW-13	390 — 400	Silty Sand
PW-13	470 — 480	Silty Sand
PW-13	520 — 530	Silty Sand
PW-13	610 — 620	Poorly Graded Sand w/Silt
PW-14	295 — 305	Silty Sand
PW-14	360 — 370	Silty Sand
PW-14	420 — 430	Poorly Graded Sand
PW-14	520 — 530	Sandy Clay
PW-14	600 — 610	Silty Sand

Note:
ft bgs — feet below ground surface

3.4 Well Development

Well development was performed with a combination of airlifting, bailing, swabbing, and pumping. Drilling mud settled at the bottom of the boreholes was removed by airlifting. 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. Bailing was performed only to capture any residual material that settled at the bottom of the well after other phases of development. 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. Well development logs are included as Appendix B.

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 reports are included as Appendix C.

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 data is included in Appendix D.

4.0 GROUNDWATER ELEVATION MEASUREMENT AND SAMPLING

In June 2014, groundwater elevation measurements and samples were collected from wells PW-10, PW-11, and PW-12.

In August 2014, groundwater elevation measurements and samples were collected from the following surrounding OU-2 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, 1S/5W-13B5S, EPA-MP1, EPA-MP2, EPA-MP3, EPA-MP5, EPA-MP6, EPA-MP7, EPA-MP8, PW-9, PW-10, PW-11, PW-12, CPW-16, and CPW-17.

After construction, development, and two weeks of equilibrating time, initial groundwater elevations and samples were collected from PW-13 and PW-14 on September 17-18, 2014.

In November 2014, groundwater elevation measurements and samples were collected from PW-13, PW-14, EPA-MP1 (deepest interval only), and 1S/5W-13B5S.

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 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 depth to water. 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 for conducting HydraSleeve sampling are presented in Appendix E.

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, 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. Standard Operating Procedures for conducting MP well sampling are presented in Appendix E.

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 F. 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 vials were filled by allowing water to flow through a small-aperture valve located at the bottom of one of the 250-milliliter sampling cylinders. The flow rate between the sampling cylinder and the Volatile Organic Analysis 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 U.S. EPA Method 314.0. Laboratory analytical reports including chain-of-custody forms are included in Appendix G.

4.4 Investigation Derived Waste

Investigation-derived waste 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 frac 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 frac 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 U.S. EPA Comprehensive Environmental Response, Compensation, and Liability Act OffSite Rule approvals. Investigation-derived waste analytical results are presented in Appendix H.

5.0 GROUNDWATER ELEVATIONS MEASUREMENTS AND SAMPLING RESULTS

5.1 Groundwater Elevation Measurement Results

Groundwater elevation measurements collected during each of the 2014 sampling events are included in Table 5-1. A potentiometric surface map was created for the August 2014 gaging 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-southeast to south. Groundwater gradients within OU-2 are variable, with an approximate average gradient of 0.006 feet per foot (ft/ft).

5.2 Groundwater Sampling Results

The 2014 groundwater sampling results are summarized in Table 5-2. Results of each sampling event are summarized below.

June 2014

Of the three sampled wells (PW-10, PW-11, and PW-12) in the June 2014 sampling event, only PW-10 (460' interval) contained concentrations of TCE above the California MCL of 5 µg/L. Perchlorate was detected above the California MCL of 6 µg/L in PW-10 (360' and 460' interval) and PW-11 (355' interval).

August 2014

Of the 25 sampled wells in the August 2014 sampling event, only the following wells contained concentrations of TCE above the California MCL of 5 µg/L: EPA-MP1 (797' interval), PW-10 (460' interval), and 1S/5W-3A6S.

Of the 25 sampled wells in the August 2014 sampling event, only the following wells contained concentrations of perchlorate above the California MCL of 6 µg/L: EPA-MP2 (410' interval), EPA-MP3 (457' interval), EPA-MP6 (355' interval), EPA-MP7 (357' and 433' intervals), PW-9 (482' and 562' intervals), PW-10 (360' and 460' intervals), PW-11 (355' and 450' intervals), 1S/5W-13B5S, 1S/5W-3A6S, and CPW-16 (295', 378', and 417' intervals).

Other VOCs that were detected during the August sampling event include: 1,2-dichloroethane (1,2-DCA), 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 1,2-DCA in 1S/4W-8E3S. This well is located outside of the current lateral extent of the Site contaminant plume as defined by perchlorate and TCE MCL exceedances. 1,2-DCA was not detected in any of the MP wells sampled by EnSafe in 2014.

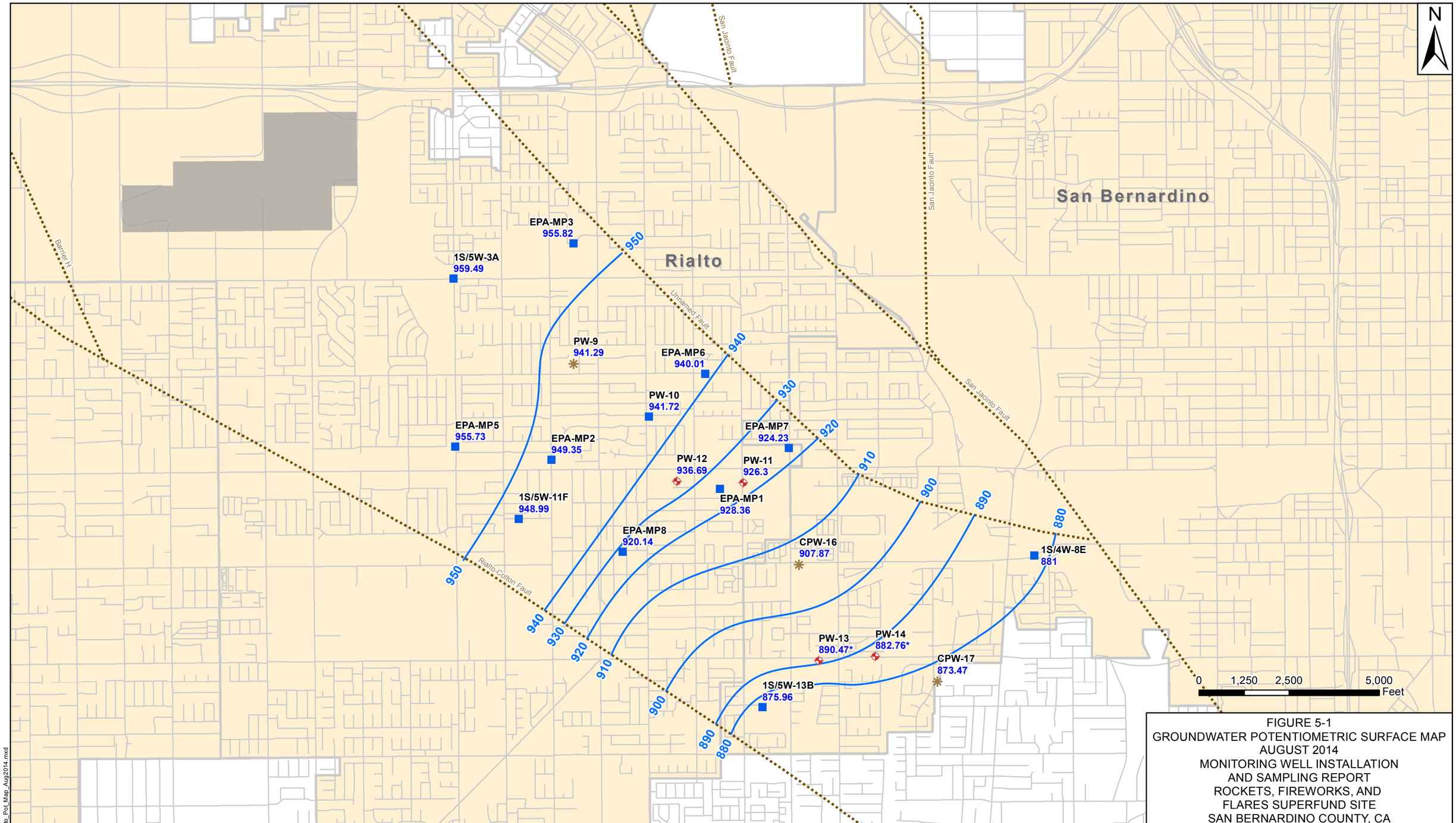

FIGURE 5-1
GROUNDWATER POTENTIOMETRIC SURFACE MAP
AUGUST 2014
MONITORING WELL INSTALLATION
AND SAMPLING REPORT
ROCKETS, FIREWORKS, AND
FLARES SUPERFUND SITE
SAN BERNARDINO COUNTY, CA

160-Acre Parcel Plume MW Downgradient
Existing Monitoring Well
Recently Added
Potentiometric Surface Contour
Fault Lines
Airport
Roads
City Limits

Notes:
- * indicates groundwater elevations for PW-13 and PW-14 were measured on November 19, 2014
- Groundwater elevations calculated based on field measurements taken on August 11-22, 2014
- "C" intervals were used for Westbay wells and screen intervals of similar elevations were used for clustered wells

REQUESTED BY: R. VILLARREAL
DRAWN BY: M. SENNE
DATE: 2/17/2015
PROJECT NO: 0888813841

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1-800-588-7962
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Table 5-1
2014 Groundwater Elevation Measurements
Rockets, Fireworks, and Flares 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	8/12/2014	1S	970-990	225.46	884.54	1,110.00	1,110.00
	8/12/2014	2S	750-770	225.79	884.21	1,110.00	1,110.00
	8/12/2014	3S	577-597	226.13	883.87	1,110.00	1,110.00
	8/12/2014	4S	310-330	229.00	881	1,110.00	1,110.00
1S/5W-3A	8/12/2014	5S	660-680	398.33	959.67	1,358.00	1,358.00
	8/12/2014	6S	500-520	398.51	959.49	1,358.00	1,358.00
	8/12/2014	7S	400-420	398.58	959.42	1,358.00	1,358.00
1S/5W-11F	8/12/2014	1S	930-950	310.11	933.89	1,244.00	1,244.00
	8/12/2014	3S	422-442	295.01	948.99	1,244.00	1,244.00
	8/12/2014	4S	310-330	295.18	948.82	1,244.00	1,244.00
1S/5W-13B	8/12/2014	2S	675-695	272.77	887.23	1,160.00	1,160.00
	8/12/2014	3S	540-560	285.16	874.84	1,160.00	1,160.00
	8/12/2014	4S	420-440	284.04	875.96	1,160.00	1,160.00
	8/12/2014	5S	270-290	275.66	884.34	1,160.00	1,160.00
	11/19/2014	5S	270-290	275.42	884.58	1,160.00	1,160.00
CPW-16	8/21/2014	A	292-302	271.61	909.37	1,180.98	1,181.44
	11/19/2014	A	292-302	271.88	909.1	1,180.98	1,181.44
	8/21/2014	B	375-385	272.41	908.57	1,180.98	1,181.44
	11/19/2014	B	375-385	272.59	908.39	1,180.98	1,181.44
	8/21/2014	C	414-424	273.11	907.87	1,180.98	1,181.44
	11/19/2014	C	414-424	273.16	907.82	1,180.98	1,181.44
	8/21/2014	D	510-520	273.88	907.1	1,180.98	1,181.44
	11/19/2014	D	510-520	273.86	907.12	1,180.98	1,181.44
	8/21/2014	E	635-645	274.19	906.79	1,180.98	1,181.44
	11/19/2014	E	635-645	273.7	907.28	1,180.98	1,181.44
	8/21/2014	F	715-725	276.97	904.01	1,180.98	1,181.44
	11/19/2014	F	715-725	276.19	904.79	1,180.98	1,181.44
	8/21/2014	G	750-760	276.49	904.49	1,180.98	1,181.44
	11/19/2014	G	750-760	275.64	905.34	1,180.98	1,181.44
CPW-17	8/13/2014	A	240-250	242.82	892.26	1,135.08	1,135.98
	8/13/2014	B	310-320	262.11	872.97	1,135.08	1,135.98
	8/13/2014	C	410-420	261.61	873.47	1,135.08	1,135.98
	8/13/2014	D	500-510	259.73	875.35	1,135.08	1,135.98
	8/13/2014	E	560-570	259.93	875.15	1,135.08	1,135.98
	8/13/2014	F	608-618	263.48	871.6	1,135.08	1,135.98
	8/13/2014	G	708-718	256.83	878.25	1,135.08	1,135.98
EPA-MP1	8/11/2014	A	363-373	297.23	928.82	1,226.05	1,226.52
	8/11/2014	B	459-469	297.51	928.54	1,226.05	1,226.52
	8/11/2014	C	559-569	297.69	928.36	1,226.05	1,226.52
	8/11/2014	D	790-740	299.18	926.87	1,226.05	1,226.52
	8/11/2014	E	795-805	289.97	936.08	1,226.05	1,226.52
EPA-MP2	8/19/2014	A	346-356	320.24	949.75	1,269.99	1,270.57
	8/19/2014	B	406-416	320.33	949.66	1,269.99	1,270.57
	8/19/2014	C	506-516	320.64	949.35	1,269.99	1,270.57
	8/18/2014	D	612-622	321.15	948.84	1,269.99	1,270.57
	8/18/2014	E	712-722	321.39	948.6	1,269.99	1,270.57
	8/18/2014	F	762-772	305.78	964.21	1,269.99	1,270.57
EPA-MP3	8/22/2014	A	454-464	406.62	956.48	1,363.10	1,363.73
	8/22/2014	B	590-600	406.86	956.24	1,363.10	1,363.73
	8/22/2014	C	684-694	407.28	955.82	1,363.10	1,363.73
	8/22/2014	D	811-827	408.24	954.86	1,363.10	1,363.73
	8/22/2014	E	897-907	408.58	954.52	1,363.10	1,363.73
EPA-MP5	8/19/2014	A	352-362	329.13	956.03	1,285.16	1,284.96
	8/19/2014	B	408-418	329.22	955.94	1,285.16	1,284.96
	8/19/2014	C	502-512	329.43	955.73	1,285.16	1,284.96
	8/19/2014	D	626-636	331.01	954.15	1,285.16	1,284.96
	8/19/2014	E	737-747	331.66	953.5	1,285.16	1,284.96
EPA-MP6	8/22/2014	A	351-361	332.71	940.7	1,273.41	1,273.66
	8/22/2014	B	445-455	332.91	940.5	1,273.41	1,273.66
	8/22/2014	C	569-579	333.40	940.01	1,273.41	1,273.66
	8/22/2014	D	656-666	333.76	939.65	1,273.41	1,273.66
	8/22/2014	E	762-772	334.03	939.38	1,273.41	1,273.66
EPA-MP7	8/20/2014	A	355-365	297.85	928.76	1,226.61	1,227.52

Table 5-1
2014 Groundwater Elevation Measurements
Rockets, Fireworks, and Flares 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)
	8/20/2014	B	430-440	299.22	927.39	1,226.61	1,227.52
	8/20/2014	C	500-510	302.38	924.23	1,226.61	1,227.52
	8/20/2014	D	585-595	299.90	926.71	1,226.61	1,227.52
	8/20/2014	E	700-710	297.55	929.06	1,226.61	1,227.52
EPA-MP8	8/13/2014	A	345-355	299.71	920.26	1,219.97	1,221.08
	8/13/2014	B	395-405	299.69	920.28	1,219.97	1,221.08
	8/13/2014	C	490-500	299.83	920.14	1,219.97	1,221.08
	8/11/2014	D	605-615	305.38	914.59	1,219.97	1,221.08
	8/11/2014	E	720-730	305.43	914.54	1,219.97	1,221.08
PW-9	8/21/2014	A	350-360	351.54	952.62	1,304.16	1,304.70
	8/21/2014	B	410-420	359.19	944.97	1,304.16	1,304.70
	8/21/2014	C	480-490	362.87	941.29	1,304.16	1,304.70
	8/20/2014	D	560-570	364.38	939.78	1,304.16	1,304.70
	8/20/2014	E	645-655	365.85	938.31	1,304.16	1,304.70
	8/20/2014	F	715-725	366.94	937.22	1,304.16	1,304.70
	8/20/2014	G	805-815	368.06	936.1	1,304.16	1,304.70
PW-10	6/10/2014	A	355-365	325.40	943.45	1,268.85	1,270.00
	8/14/2014	A	355-365	326.53	942.32	1,268.85	1,270.00
	6/10/2014	B	455-465	325.69	943.16	1,268.85	1,270.00
	8/14/2014	B	455-465	326.80	942.05	1,268.85	1,270.00
	6/10/2014	C	540-550	326.26	942.59	1,268.85	1,270.00
	8/14/2014	C	540-550	327.13	941.72	1,268.85	1,270.00
	6/10/2014	D	600-610	326.44	942.41	1,268.85	1,270.00
	8/14/2014	D	600-610	327.34	941.51	1,268.85	1,270.00
	6/10/2014	E	740-750	327.05	941.8	1,268.85	1,270.00
	8/14/2014	E	740-750	327.97	940.88	1,268.85	1,270.00
PW-11	6/9/2014	A	350-360	294.54	926.69	1,221.23	1,222.33
	8/18/2014	A	350-360	295.12	926.11	1,221.23	1,222.33
	6/9/2014	B	445-455	294.68	926.55	1,221.23	1,222.33
	8/18/2014	B	445-455	295.18	926.05	1,221.23	1,222.33
	6/9/2014	C	555-565	294.45	926.78	1,221.23	1,222.33
	8/18/2014	C	555-565	294.93	926.3	1,221.23	1,222.33
	6/9/2014	D	690-700	295.04	926.19	1,221.23	1,222.33
	8/18/2014	D	690-700	295.83	925.4	1,221.23	1,222.33
	6/9/2014	E	745-755	295.30	925.93	1,221.23	1,222.33
	8/18/2014	E	745-755	296.13	925.1	1,221.23	1,222.33
PW-12	6/9/2014	A	330-340	303.95	937.94	1,241.89	1,242.01
	8/14/2014	A	330-340	305.01	936.88	1,241.89	1,242.01
	6/9/2014	B	390-400	304.09	937.8	1,241.89	1,242.01
	8/14/2014	B	390-400	305.13	936.76	1,241.89	1,242.01
	6/9/2014	C	495-505	304.35	937.54	1,241.89	1,242.01
	8/14/2014	C	495-505	305.20	936.69	1,241.89	1,242.01
	6/9/2014	D	550-560	304.26	937.63	1,241.89	1,242.01
	8/14/2014	D	550-560	305.09	936.8	1,241.89	1,242.01
	6/9/2014	E	720-730	304.30	937.59	1,241.89	1,242.01
	8/14/2014	E	720-730	305.36	936.53	1,241.89	1,242.01
PW-13	11/20/2014	A	335-345	259.44	890.67	1,150.11	1,150.51
	11/20/2014	B	390-400	259.51	890.60	1,150.11	1,150.51
	11/20/2014	C	470-480	259.64	890.47	1,150.11	1,150.51
	11/20/2014	D	520-530	259.69	890.42	1,150.11	1,150.51
	11/20/2014	E	600-610	255.83	894.28	1,150.11	1,150.51
PW-14	11/19/2014	A	295-305	293.52	876.26	1,169.78	1,170.16
	11/19/2014	B	360-370	291.13	878.65	1,169.78	1,170.16
	11/19/2014	C	420-430	287.02	882.76	1,169.78	1,170.16
	11/19/2014	D	520-530	286.87	882.91	1,169.78	1,170.16
	11/19/2014	E	600-610	278.88	890.90	1,169.78	1,170.16

Note:
NA = Not Available

Table 5-2
Groundwater Analytical Results Summary
Rockets, Fireworks, and Flares Superfund Site, San Bernardino County, California

	Depth	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)
		CA MCL (a)		6	0.5	1	80	–	6	–	5	150	5	150
1S/4W-8E1S	980	06/13/2013	Sample	–	**0.2 J**	–	–	**0.42 J**	–	–	–	–	–	–
	980	08/15/2014	Sample	–	–	–	–	–	–	–	–	**0.34 J**	–	–
	980	08/15/2014	Duplicate	–	–	–	–	–	–	–	–	**0.32 J**	–	–
1S/4W-8E2S	760	06/13/2013	Sample	–	–	–	–	–	–	–	–	**0.28 J**	–	–
	760	06/13/2013	Duplicate	–	–	–	–	**0.51 J**	–	–	–	–	–	–
	760	08/15/2014	Sample	–	–	–	–	–	–	–	–	**0.37 J**	–	–
1S/4W-8E3S	587	06/13/2013	Sample	–	**2.9 a**	–	–	**0.44 J**	–	–	–	–	–	–
	587	08/15/2014	Sample	–	**0.98 J a**	–	–	–	–	–	–	–	–	–
1S/4W-8E4S	320	06/13/2013	Sample	**1.7**	–	–	–	**0.38 J**	–	–	–	–	–	–
	320	08/15/2014	Sample	–	–	–	–	**0.32 J**	–	–	–	–	–	–
1S/5W-11F1S	940	06/13/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	940	08/18/2014	Sample	–	–	–	–	–	–	–	–	**0.48 J**	–	–
1S/5W-11F3S	432	06/13/2013	Sample	–	**0.48 J**	–	–	**0.59 J**	–	–	–	–	–	–
	432	08/15/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
1S/5W-11F4S	320	06/13/2013	Sample	–	**2 a**	–	–	**0.44 J**	–	–	–	–	–	–
	320	08/15/2014	Sample	–	–	–	**0.3 J**	–	–	–	**0.5 J**	–	–	–
1S/5W-13B2S	685	06/13/2013	Sample	–	–	**0.41 J**	–	**0.57 J**	–	–	–	–	–	–
1S/5W-13B3S	550	06/13/2013	Sample	**1.8**	**2.8 a**	–	–	–	–	–	**0.62 J**	–	–	–
	550	08/15/2014	Sample	–	–	–	–	–	–	**69.3 J**	**0.95 J**	–	–	–
1S/5W-13B4S	430	06/13/2013	Sample	**3.6**	**0.24 J**	–	–	**0.55 J**	–	–	–	–	–	–
	430	08/15/2014	Sample	**3.4**	N	N	N	N	N	N	N	N	N	N
	430	09/18/2014	Sample	**1.9**	–	–	–	–	–	–	–	–	–	–
1S/5W-13B5S	280	06/13/2013	Sample	**1.2**	–	–	–	**0.47 J**	–	–	–	–	–	–
	280	08/15/2014	Sample	**38.3 a**	–	–	–	–	–	–	–	–	–	–
	280	11/20/2014	Sample	**45.1 a**	–	–	–	–	–	–	–	–	–	–
1S/5W-3A5S	670	06/13/2013	Sample	–	–	–	–	**0.53 J**	–	–	–	–	–	–
1S/5W-3A6S	510	06/13/2013	Sample	**126 a**	**2.3 a**	–	–	**0.32 J**	–	–	–	–	**6.9 a**	–
	510	08/15/2014	Sample	**205 a**	–	–	–	**0.36 J**	–	–	–	–	**13.2 a**	–
1S/5W-3A7S	410	06/13/2013	Sample	**1.6**	–	–	–	–	–	–	–	–	–	–
1S/5W-3A7S	410	08/15/2014	Sample	**2**	–	–	–	–	–	–	–	–	–	–
CPW-16	295	05/21/2013	Sample	**19.4 a**	–	–	–	–	–	–	–	–	–	–
	378	05/21/2013	Sample	**78.3 a**	–	–	–	**0.37 J**	–	–	–	–	**1.5**	–
	417	05/21/2013	Sample	**165 a**	–	–	–	–	–	–	–	–	**3.4**	–
	513	05/21/2013	Sample	–	–	–	–	**0.32 J**	–	–	–	–	–	–
	638	05/21/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	718	05/21/2013	Sample	–	–	–	–	**0.44 J**	–	–	–	–	–	–
	753	05/21/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	295	05/21/2013	Duplicate	**19.6 a**	–	–	–	–	–	–	–	–	–	–
	295	08/21/2014	Sample	**17.4 a**	–	–	–	–	–	–	–	–	–	–
	378	08/21/2014	Sample	**104 a**	–	–	–	–	–	–	–	–	**1.8**	–
	417	08/21/2014	Sample	**119 a**	–	–	–	–	–	**8.1 J**	–	–	**2.1**	–
	417	08/21/2014	Duplicate	**116 a**	–	–	–	–	–	–	–	–	**1.9**	–
	513	08/21/2014	Sample	**1**	–	–	–	–	–	**12.3 J**	–	–	–	–
	638	08/21/2014	Sample	–	–	–	–	–	–	**13.3 J**	–	–	–	–
	718	08/21/2014	Sample	**0.75 J**	–	–	–	–	–	**16.8 J**	–	–	–	–
	753	08/21/2014	Sample	–	–	–	–	–	–	–	–	–	–	–

Notes:

N = Not sampled due to container breakage
CA MCL = California Maximum Contaminant Levels, January 2013
µg/L = micrograms per liter
- = undetected value
J = estimated value
bold = detected value
a = Result is above the RSL.

Table 5-2
Groundwater Analytical Results Summary
Rockets, Fireworks, and Flares Superfund Site, San Bernardino County, California

	Depth	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)
		CA MCL (a)		6	0.5	1	80	–	6	–	5	150	5	150
CPW-17	313	05/28/2013	Sample	**4**	–	–	–	–	–	–	–	–	–	–
	413	05/28/2013	Sample	–	–	–	–	**0.39 J**	–	–	–	–	–	–
	503	05/28/2013	Sample	–	–	–	–	**0.43 J**	–	–	–	–	–	–
	563	05/28/2013	Sample	–	–	–	–	**0.32 J**	–	–	–	–	–	–
	612	05/28/2013	Sample	–	–	–	–	**0.44 J**	–	–	–	–	–	–
	712	05/28/2013	Sample	–	–	–	–	**0.38 J**	–	–	–	–	–	–
	313	08/13/2014	Sample	**3.6**	–	–	–	–	–	–	–	–	–	–
	413	08/13/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	503	08/13/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	563	08/13/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	563	08/13/2014	Duplicate	–	–	–	–	–	–	–	–	–	–	–
	612	08/13/2014	Sample	**0.88 J**	–	–	–	–	–	–	–	–	–	–
	712	08/13/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
EPA-MP1	366	05/20/2013	Sample	**1.2**	–	–	–	**0.34 J**	–	**18.1**	–	–	–	–
	462	05/20/2013	Sample	**1.3**	–	–	–	–	–	–	–	–	–	–
	562	05/20/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	732	05/20/2013	Sample	–	–	–	–	–	–	**33.2**	–	–	–	–
	797	05/20/2013	Sample	–	–	–	–	**0.38 J**	–	–	–	–	–	–
	462	05/20/2013	Duplicate	**1.4**	–	–	–	**0.33 J**	–	–	–	–	–	–
	366	08/11/2014	Sample	**1.7**	–	–	–	–	–	–	–	–	–	–
	462	08/11/2014	Sample	**1.5**	–	–	–	–	–	–	–	–	–	–
	562	08/11/2014	Sample	**0.8 J**	–	–	–	–	–	–	–	–	–	–
	732	08/11/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	797	08/11/2014	Sample	–	–	–	–	–	–	–	**0.8 J**	–	**6.4 a**	–
	797	11/20/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
EPA-MP2	350	05/20/2013	Sample	**2.8**	–	–	–	**0.31 J**	–	–	–	–	–	–
	410	05/20/2013	Sample	**5.7**	–	–	**0.27 J**	**0.45 J**	**0.31 J**	**30.7**	**2.4**	–	**0.2 J**	**0.47 J**
	510	05/20/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	614	05/20/2013	Sample	**0.83 J**	–	–	–	–	–	**26.2**	–	–	–	–
	714	05/20/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	764	05/20/2013	Sample	–	–	–	–	–	–	**11.1**	–	–	–	–
	614	08/18/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	714	08/18/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	764	08/18/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	350	08/19/2014	Sample	**1.8**	–	–	–	–	–	–	–	–	–	–
	410	08/19/2014	Sample	**7.2 a**	–	–	**0.23 J**	–	**0.39 J**	–	**2.4**	–	–	–
	510	08/19/2014	Sample	**0.72 J**	–	–	–	–	–	–	–	–	–	–
EPA-MP3	457	05/28/2013	Sample	**10.8 a**	–	–	–	**0.5 J**	–	–	–	–	–	–
	592	05/28/2013	Sample	**2.6**	–	–	–	–	–	–	–	–	–	–
	687	05/28/2013	Sample	**2.7**	–	–	–	**0.44 J**	–	–	–	–	–	–
	814	05/28/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	899	05/28/2013	Sample	–	–	–	–	**0.46 J**	–	–	–	–	–	–
	687	05/28/2013	Duplicate	**2.4**	–	–	–	**0.61 J**	–	–	–	–	–	–
	457	08/22/2014	Sample	**14.5 a**	–	–	–	–	–	–	–	–	–	–
	592	08/22/2014	Sample	**2.3**	–	–	–	–	–	–	–	–	–	–
	687	08/22/2014	Sample	**2**	–	–	–	**0.5 J**	–	–	–	–	–	–
	814	08/22/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	899	08/22/2014	Sample	–	–	–	–	**0.56 J**	–	–	–	–	–	–

Notes:

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- = undetected value
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Table 5-2
Groundwater Analytical Results Summary
Rockets, Fireworks, and Flares Superfund Site, San Bernardino County, California

	Depth	Sample Date / CA MCL (a)		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)
		CA MCL (a)		6	0.5	1	80	–	6	–	5	150	5	150
EPA-MP5	357	05/29/2013	Sample	**2.6**	–	–	–	–	–	–	–	–	–	–
	412	05/29/2013	Sample	**5.2**	–	–	–	–	**0.35 J**	**25.1**	**3**	–	**0.26 J**	–
	507	05/29/2013	Sample	–	–	–	**0.58 J**	–	–	**20.5 J**	**0.93 J**	–	–	–
	630	05/29/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	740	05/29/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	507	05/29/2013	Duplicate	**1.1**	–	–	**0.57 J**	–	–	–	**0.86 J**	–	–	–
	357	08/19/2014	Sample	**2.4**	–	–	–	–	–	–	–	–	–	–
	412	08/19/2014	Sample	**5.7**	–	–	–	–	**0.39 J**	–	**2.5**	–	**0.28 J**	–
	507	08/19/2014	Sample	–	–	–	**0.74 J**	–	–	–	**1.3**	–	–	–
	630	08/19/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	630	08/19/2014	Duplicate	–	–	–	–	–	–	–	–	–	–	–
	740	08/19/2014	Sample	**1**	–	–	–	–	–	–	–	–	–	–
EPA-MP6	355	05/22/2013	Sample	**31.2 a**	–	–	–	–	–	–	–	–	–	–
	449	05/22/2013	Sample	**2.9**	–	–	–	–	–	–	–	–	–	–
	573	05/22/2013	Sample	**2.2**	–	–	–	–	–	–	–	–	–	–
	659	05/22/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	765	05/22/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	355	05/22/2013	Duplicate	**30.5 a**	–	–	–	–	–	–	–	–	–	–
	355	08/22/2014	Sample	**29.5 a**	–	–	–	–	–	–	–	–	–	–
	449	08/22/2014	Sample	**3.1**	–	–	–	–	–	–	–	–	–	–
	573	08/22/2014	Sample	**2.9**	–	–	–	–	–	–	–	–	–	–
	573	08/22/2014	Duplicate	**2.7**	–	–	–	–	–	–	–	–	–	–
	659	08/22/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	765	08/22/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
EPA-MP7	357	05/22/2013	Sample	**9.2 a**	–	–	–	–	–	–	–	–	–	–
	433	05/22/2013	Sample	**6.8 a**	–	–	–	–	–	–	–	–	–	–
	503	05/22/2013	Sample	**2.2**	–	–	–	–	–	–	–	–	–	–
	588	05/22/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	701	05/22/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	357	08/20/2014	Sample	**7.9 a**	–	–	–	–	–	–	–	–	–	–
	433	08/20/2014	Sample	**6.1 a**	–	–	–	–	–	–	–	–	–	–
	433	08/20/2014	Duplicate	**5.9**	–	–	–	–	–	–	–	–	–	–
	503	08/20/2014	Sample	**1.9**	N	N	N	N	N	N	N	N	N	N
	588	08/20/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	701	08/20/2014	Sample	–	N	N	N	N	N	N	N	N	N	N
	503	09/17/2014	Sample	**1.9**	–	–	–	–	–	–	–	–	–	–
	701	09/17/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
EPA-MP8	347	05/23/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	397	05/23/2013	Sample	–	–	–	–	–	–	**30.6**	–	–	–	–
	492	05/23/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	607	05/23/2013	Sample	**2**	–	–	–	–	–	–	–	–	–	–
	722	05/23/2013	Sample	–	–	–	–	–	–	**31.5**	–	–	–	–
	347	08/13/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	397	08/13/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	492	08/13/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	607	08/11/2014	Sample	**1.7**	–	–	–	–	–	–	–	–	–	–
	722	08/11/2014	Sample	–	–	–	–	–	–	–	–	–	–	–

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µg/L = micrograms per liter
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Rockets, Fireworks, and Flares Superfund Site, San Bernardino County, California

	Depth	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)
		CA MCL (a)		6	0.5	1	80	–	6	–	5	150	5	150
PW-5	467	05/23/2013	Sample	**171 a**	–	–	–	–	–	**34.6 J**	–	–	–	–
	512	05/23/2013	Sample	**196 a**	–	–	**0.24 J**	–	–	**31.5**	–	–	**28 a**	–
	557	05/23/2013	Sample	**142 a**	–	–	–	–	–	–	–	–	**15.7 a**	–
	617	05/23/2013	Sample	**929 a**	–	–	–	–	–	**34.1**	–	–	**21.8 a**	–
	672	05/23/2013	Sample	**276 a**	–	–	–	–	–	–	–	–	**3.5**	–
	467	05/23/2013	Sample	**170 a**	–	–	–	–	–	–	–	–	**0.28 J**	–
PW-9	352	05/24/2013	Sample	**13 a**	–	–	–	–	–	**17.9**	–	–	–	–
	412	05/24/2013	Sample	**62.2 a**	–	–	–	–	–	–	–	–	**0.79 J**	–
	482	05/24/2013	Sample	**781 a**	–	–	**0.3 J**	–	–	**16.3**	–	–	**6.7 a**	–
	562	05/24/2013	Sample	**1.1**	–	–	–	–	–	**15.9**	–	–	–	–
	648	05/24/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	718	05/24/2013	Sample	**348 a**	–	–	–	–	–	–	–	–	**3.9**	–
	808	05/24/2013	Sample	**523 a**	–	–	**0.22 J**	–	–	–	–	–	**6.3 a**	–
	412	08/21/2014	Sample	**2.6**	–	–	–	–	–	–	–	–	–	–
	482	08/21/2014	Sample	**226 a**	–	–	–	**0.33 J**	–	–	–	–	**4.7**	–
	562	08/20/2014	Sample	**37.9 a**	–	–	–	–	–	–	–	–	**1.2**	–
	648	08/20/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	718	08/20/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	808	08/20/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
PW-10	360	08/06/2013	Sample	**16.8 a**	–	–	–	–	–	–	–	–	–	–
	460	08/06/2013	Sample	**641 a**	–	–	–	–	–	–	–	–	**13.1 a**	–
	545	08/05/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	605	08/05/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	745	08/05/2013	Sample	**1.2**	–	–	–	–	–	–	–	–	–	–
	360	10/03/2013	Sample	**18.2 a**	–	–	–	–	–	–	–	–	–	–
	460	10/03/2013	Sample	**725 a**	–	–	–	–	–	–	–	–	**12.4 J a**	–
	460	10/03/2013	Duplicate	**718 a**	–	–	–	–	–	–	–	–	**6.4 J a**	–
	545	10/03/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	605	10/03/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	745	10/03/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	360	06/10/2014	Sample	**18.1 a**	–	–	–	–	–	–	–	–	**0.29 J**	–
	460	06/10/2014	Sample	**476 a**	–	–	–	–	–	–	–	–	**14.8 a**	–
	545	06/10/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	605	06/10/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	745	06/10/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	360	08/14/2014	Sample	**21.5 a**	–	–	–	–	–	–	–	–	**0.35 J**	–
	460	08/14/2014	Sample	**461 a**	–	–	–	–	–	–	–	–	**21.2 a**	–
	545	08/14/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	605	08/14/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	745	08/14/2014	Sample	–	–	–	–	–	–	–	–	–	–	–

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Groundwater Analytical Results Summary
Rockets, Fireworks, and Flares Superfund Site, San Bernardino County, California

	Depth	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)
		CA MCL (a)		6	0.5	1	80	–	6	–	5	150	5	150
PW-11	355	08/06/2013	Sample	**51.4 a**	–	–	–	–	–	–	–	–	**0.82 J**	–
	450	08/06/2013	Sample	**5.3**	–	–	–	–	–	–	–	–	–	–
	560	08/06/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	560	08/06/2013	Duplicate	–	–	–	–	–	–	–	–	–	–	–
	695	08/06/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	750	08/06/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	355	10/03/2013	Sample	**55.3 a**	–	–	–	–	–	–	–	–	**0.81 J**	–
	450	10/03/2013	Sample	**5.8**	–	–	–	–	–	–	–	–	–	–
	560	10/03/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	695	10/02/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	695	10/02/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	750	10/02/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	355	06/10/2014	Sample	**29.4 a**	–	–	–	–	–	–	–	–	**0.6 J**	–
	450	06/10/2014	Sample	**4.4**	–	–	–	–	–	–	–	–	–	–
	560	06/10/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	695	06/09/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	750	06/09/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	355	08/18/2014	Sample	**23.4 a**	–	–	–	–	–	–	–	–	**0.55 J**	–
	450	08/18/2014	Sample	**6.4 a**	–	–	–	–	–	–	–	–	–	–
	560	08/18/2014	Sample	**0.94 J**	–	–	–	–	–	–	–	–	–	–
	695	08/18/2014	Sample	**0.62 J**	–	–	–	–	–	–	–	–	–	–
	695	08/18/2014	Duplicate	–	–	–	–	–	–	–	–	–	–	–
	750	08/18/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
PW-12	345	08/05/2013	Sample	**3.1**	–	–	–	–	–	–	–	–	–	–
	345	08/05/2013	Duplicate	**3**	–	–	–	–	–	**9.3 J**	–	–	–	–
	395	08/05/2013	Sample	**2.9**	–	–	–	–	–	**21.5**	–	–	–	–
	500	08/05/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	555	08/05/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	725	08/05/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	345	10/02/2013	Sample	**3.1**	–	–	–	–	–	–	–	–	–	–
	395	10/02/2013	Sample	**2.5**	–	–	–	–	–	–	–	–	–	–
	500	10/02/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	555	10/02/2013	Sample	–	–	–	–	–	–	**28.5 J**	–	–	–	–
	725	10/02/2013	Sample	–	–	–	–	–	–	–	–	–	–	–
	345	06/09/2014	Sample	**2.9 J**	–	–	–	–	–	–	–	–	–	–
	345	06/09/2014	Duplicate	**2.7 J**	–	–	–	–	–	–	–	–	–	–
	395	06/09/2014	Sample	**2.3 J**	–	–	–	–	–	–	–	–	–	–
	500	06/09/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	555	06/09/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	725	06/09/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	345	08/14/2014	Sample	**3.2**	–	–	–	–	–	–	–	–	–	–
	395	08/14/2014	Sample	**3.5**	–	–	–	–	–	–	–	–	–	–
	500	08/14/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	555	08/14/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	725	08/14/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	725	08/14/2014	Duplicate	–	–	–	–	–	–	–	–	–	–	–

Notes:

N = Not sampled due to container breakage
CA MCL = California Maximum Contaminant Levels, January 2013
µg/L = micrograms per liter
- = undetected value
J = estimated value
bold = detected value
a = Result is above the RSL.

Table 5-2
Groundwater Analytical Results Summary
Rockets, Fireworks, and Flares Superfund Site, San Bernardino County, California

	Depth	Sample Date / CA MCL (a)		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)
		CA MCL (a)		6	0.5	1	80	–	6	–	5	150	5	150
PW-13	340	09/17/2014	Sample	**6.4 a**	–	–	–	–	–	**18 J**	–	–	**0.2 J**	–
	340	09/17/2014	Duplicate	**6.3 a**	–	–	–	–	–	–	–	–	**0.22 J**	–
	395	09/17/2014	Sample	**2.1**	–	–	–	–	–	–	–	–	–	–
	475	09/17/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	525	09/17/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	615	09/17/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	340	11/20/2014	Sample	**8.6 a**	–	–	–	–	–	–	–	–	–	–
	395	11/20/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	475	11/20/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	525	11/20/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	615	11/20/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
PW-14	300	09/18/2014	Sample	–	–	–	–	–	–	–	–	**0.39 J**	–	–
	365	09/18/2014	Sample	**15.3 a**	–	–	–	–	–	**38.6 J**	–	–	–	–
	425	09/18/2014	Sample	**39.4 a**	–	–	–	–	–	–	–	–	**0.93 J**	–
	525	09/18/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	605	09/18/2014	Sample	–	–	–	–	–	–	–	–	–	–	–
	300	11/20/2014	Sample	–	–	–	–	–	–	–	–	**0.21 J**	–	–
	365	11/20/2014	Sample	**18.2 a**	–	–	–	–	–	–	–	–	–	–
	365	11/20/2014	Duplicate	**18.6 a**	–	–	–	–	–	–	–	–	–	–
	425	11/20/2014	Sample	**42 a**	–	–	–	–	–	**5.7 J**	–	–	**0.68 J**	–
	525	11/20/2014	Sample	–	–	–	–	–	–	**9.7 J**	–	–	–	–
	605	11/20/2014	Sample	–	–	–	–	–	–	**6 J**	–	–	–	–

Notes:

N = Not sampled due to container breakage
CA MCL = California Maximum Contaminant Levels, January 2013
µg/L = micrograms per liter
- = undetected value
J = estimated value
bold = detected value
a = Result is above the RSL.

September 2014

Of the two sampled wells (PW-13 and PW-14) in the September 2014 sampling event, perchlorate was detected above the California MCL of 6 µg/L in PW-13 (340' interval) and PW-14 (365' and 425' intervals). The highest concentration of perchlorate was detected in PW-14 (39.4 µg/L) while the concentration of perchlorate detected in PW-13 (6.4 µg/L) was only slightly above the California MCL. TCE was not detected above the California MCL of 5 µg/L in either well.

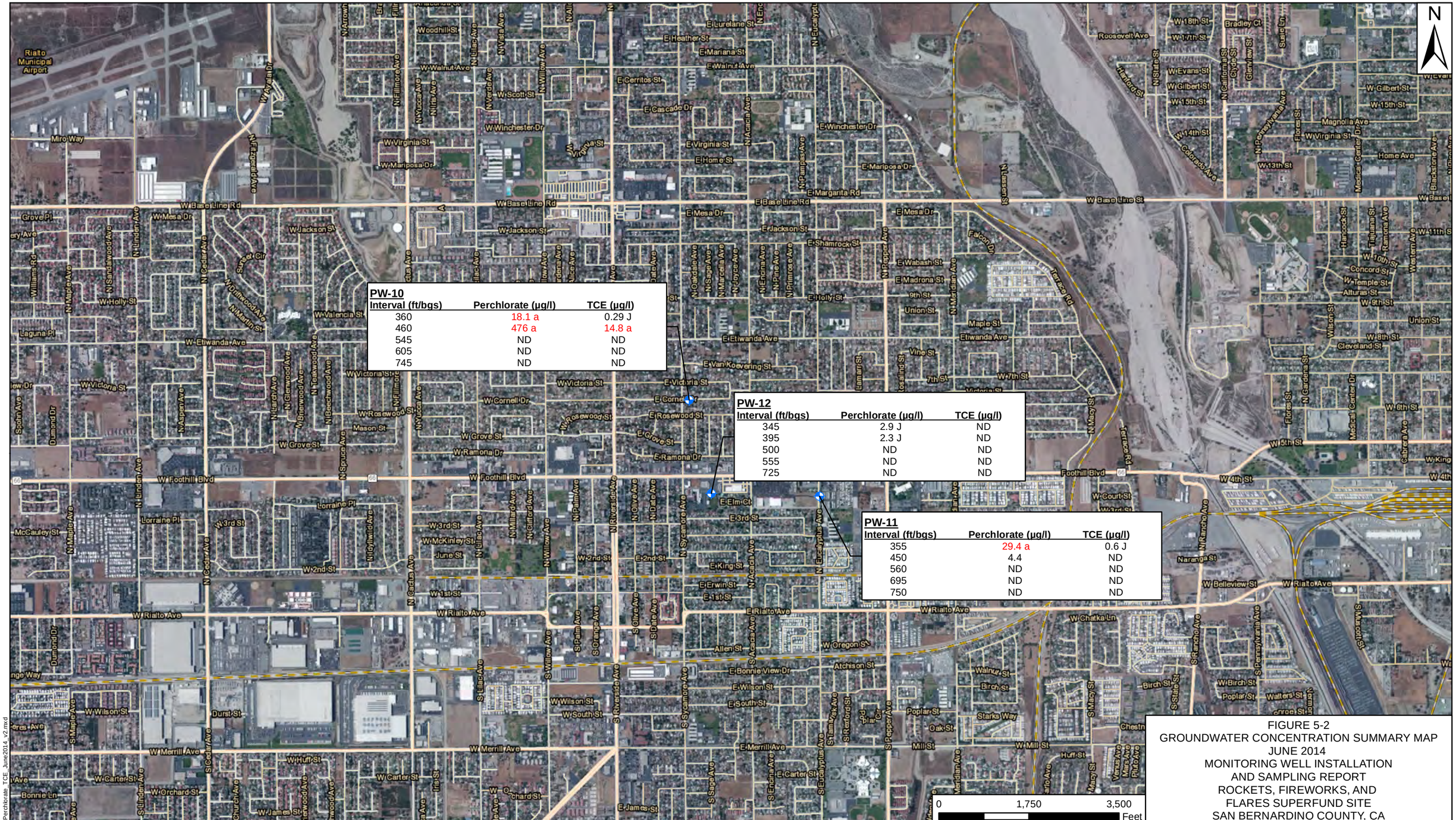
It should be noted that EPA-MP7 (503' and 701' intervals) and 1S/5W-13B4S were resampled and analyzed during this event due to breakage of sample containers during the August 2014 events. Perchlorate and TCE were not detected at concentrations above their respective California MCLs in these samples.

November 2014

PW-13 and PW-14 were sampled for a second time two months after the initial sampling period along with the deepest sampling port at EPA-MP1 (797 feet bgs), and USGS well 1S/5W-13B5S. In the November 2014 sampling event, perchlorate was detected above the California MCL of 6 µg/L in PW-13 (340' interval), PW-14 (365' and 425' intervals), and USGS well 1S/5W-13B5S at 280 feet bgs. The highest concentration of perchlorate detected in PW-14 was 42.0 µg/L (425' interval) while the concentration of perchlorate detected in PW-13 (8.6 µg/L) was slightly above the California MCL. The concentration of perchlorate in 1S/5W-13B5S was 45.1 µg/L. Perchlorate and TCE were not detected above their respective MCLs in the EPA-MP1 (797 feet bgs) sample. TCE was not detected above the California MCL of 5 µg/L in any well/interval sampled in November 2014.

Other VOCs detected include 1,2,4-Trichlorobenzene, toluene, and isopropanol. None of the VOCs were detected at concentrations above their respective California MCL.

Concentrations of perchlorate and TCE for the June, August, September, and November sampling events are displayed on Figures 5-2, Figure 5-3, Figure 5-4, and Figure 5-5, respectively. A summary of analytical results (detections only) is presented on Table 5-2. Laboratory analytical reports are presented in Appendix G.



PW-10

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
360	18.1 a	0.29 J
460	476 a	14.8 a
545	ND	ND
605	ND	ND
745	ND	ND

PW-12

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
345	2.9 J	ND
395	2.3 J	ND
500	ND	ND
555	ND	ND
725	ND	ND

PW-11

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
355	29.4 a	0.6 J
450	4.4	ND
560	ND	ND
695	ND	ND
750	ND	ND

FIGURE 5-2
GROUNDWATER CONCENTRATION SUMMARY MAP
JUNE 2014
MONITORING WELL INSTALLATION
AND SAMPLING REPORT
ROCKETS, FIREWORKS, AND
FLARES SUPERFUND SITE
SAN BERNARDINO COUNTY, CA

Existing Monitoring Wells

NOTES:

- J = Estimated Value
- (ft/bgs) = Feet Below Ground Surface
- µg/l = micrograms per liter
- Values in RED indicate exceedance
- a = Result is above California MCL
- ND = Not Detected

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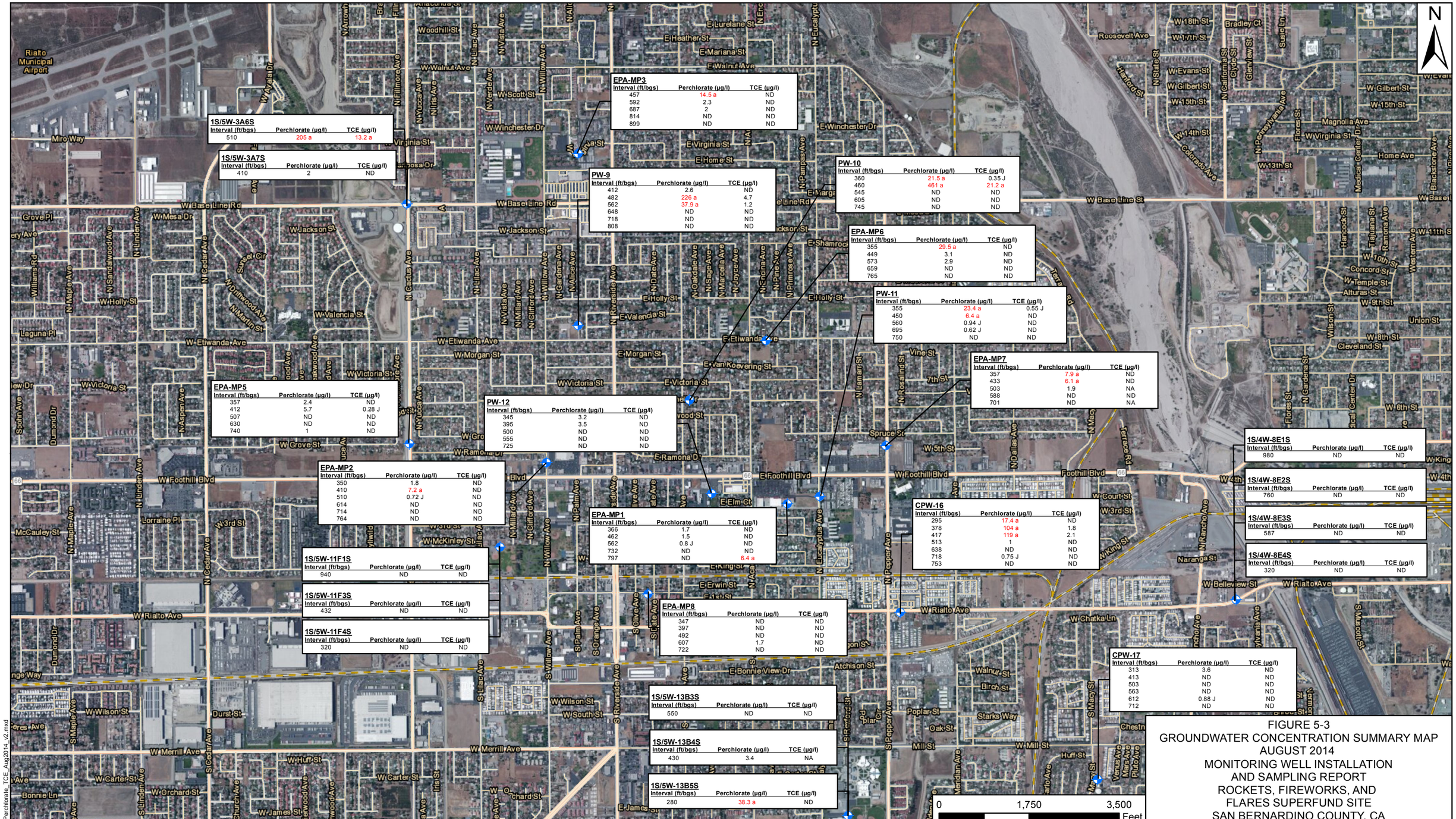

1S/5W-3A6S

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
510	205 a	13.2 a

1S/5W-3A7S

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
410	2	ND

EPA-MP3

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
457	14.5 a	ND
592	2.3	ND
687	2	ND
814	ND	ND
899	ND	ND

PW-9

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
412	2.6	ND
482	226 a	4.7
562	37.9 a	1.2
648	ND	ND
718	ND	ND
808	ND	ND

PW-10

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
360	21.5 a	0.35 J
460	461 a	21.2 a
545	ND	ND
605	ND	ND
745	ND	ND

EPA-MP6

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
355	29.5 a	ND
449	3.1	ND
573	2.9	ND
659	ND	ND
765	ND	ND

PW-11

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
355	23.4 a	0.55 J
450	6.4 a	ND
560	0.94 J	ND
695	0.62 J	ND
750	ND	ND

EPA-MP7

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
357	7.9 a	ND
433	6.1 a	ND
503	1.9	NA
588	ND	ND
701	ND	NA

EPA-MP5

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
357	2.4	ND
412	5.7	0.28 J
507	ND	ND
630	ND	ND
740	1	ND

PW-12

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
345	3.2	ND
395	3.5	ND
500	ND	ND
555	ND	ND
725	ND	ND

1S/4W-8E1S

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
980	ND	ND

1S/4W-8E2S

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
760	ND	ND

1S/4W-8E3S

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
587	ND	ND

1S/4W-8E4S

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

EPA-MP2

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
350	1.8	ND
410	7.2 a	ND
510	0.72 J	ND
614	ND	ND
714	ND	ND
764	ND	ND

EPA-MP1

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
366	1.7	ND
462	1.5	ND
562	0.8 J	ND
732	ND	ND
797	ND	6.4 a

CPW-16

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
295	17.4 a	ND
378	104 a	1.8
417	119 a	2.1
513	1	ND
638	ND	ND
718	0.75 J	ND
753	ND	ND

1S/5W-11F1S

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

1S/5W-11F3S

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

1S/5W-11F4S

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

EPA-MP8

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
347	ND	ND
397	ND	ND
492	ND	ND
607	1.7	ND
722	ND	ND

CPW-17

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
313	3.6	ND
413	ND	ND
503	ND	ND
563	ND	ND
612	0.88 J	ND
712	ND	ND

1S/5W-13B3S

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
550	ND	ND

1S/5W-13B4S

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
430	3.4	NA

1S/5W-13B5S

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
280	38.3 a	ND

FIGURE 5-3
GROUNDWATER CONCENTRATION SUMMARY MAP
AUGUST 2014
MONITORING WELL INSTALLATION
AND SAMPLING REPORT
ROCKETS, FIREWORKS, AND
FLARES SUPERFUND SITE
SAN BERNARDINO COUNTY, CA

Existing Monitoring Wells

NOTES:

- J = Estimated Value
- (ft/bgs) = Feet Below Ground Surface
- µg/l = micrograms per liter
- Values in RED indicate exceedance
- a = Result is above California MCL
- ND = Not Detected

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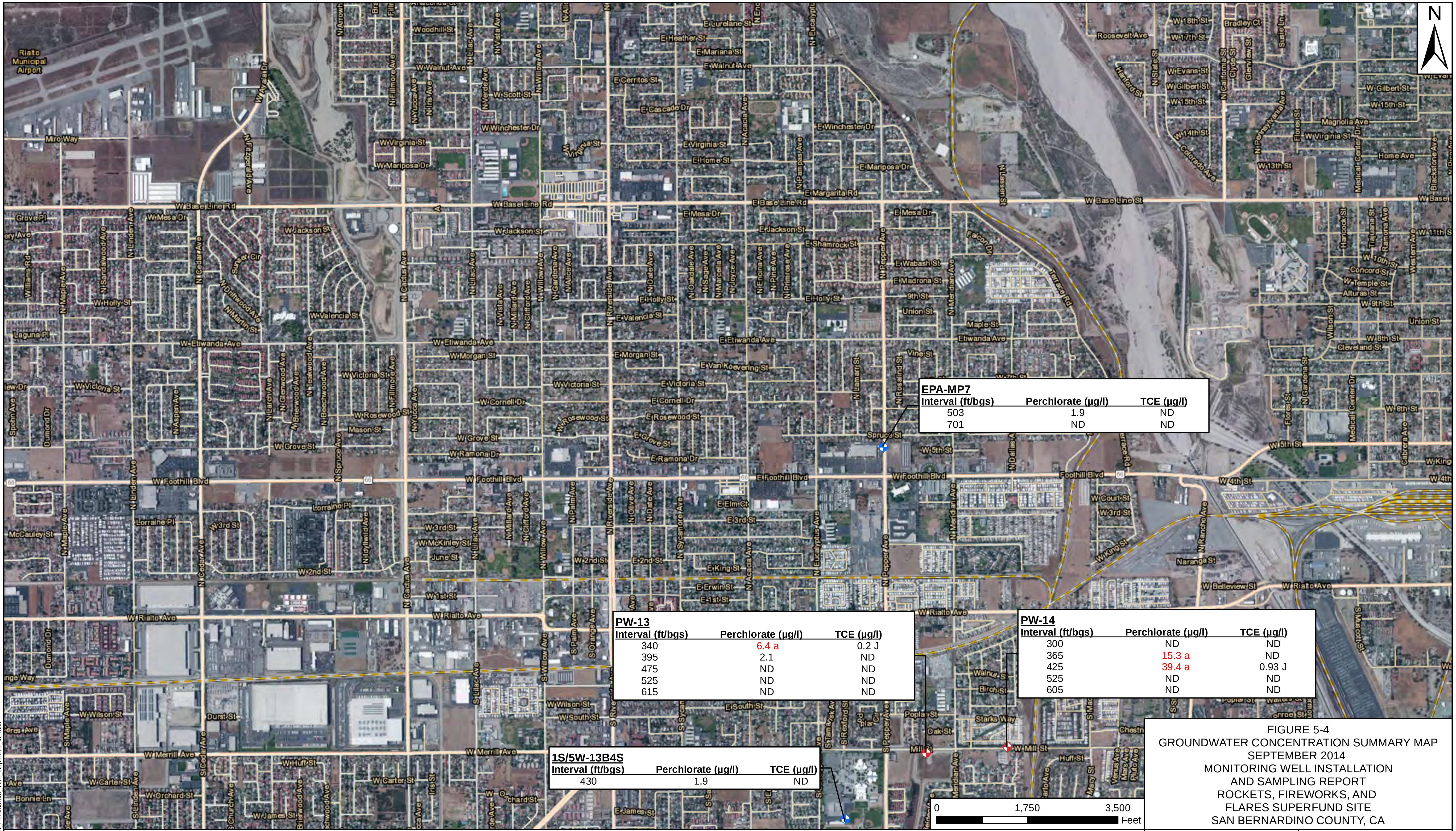

EPA-MP7

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
503	1.9	ND
701	ND	ND

PW-13

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
340	6.4 a	0.2 J
395	2.1	ND
475	ND	ND
525	ND	ND
615	ND	ND

PW-14

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
300	ND	ND
365	15.3 a	ND
425	39.4 a	0.93 J
525	ND	ND
605	ND	ND

1S/5W-13B4S

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
430	1.9	ND

0 1,750 3,500 Feet

FIGURE 5-4
GROUNDWATER CONCENTRATION SUMMARY MAP
SEPTEMBER 2014
MONITORING WELL INSTALLATION
AND SAMPLING REPORT
ROCKETS, FIREWORKS, AND
FLARES SUPERFUND SITE
SAN BERNARDINO COUNTY, CA

Existing Monitoring Wells

Recently Installed Monitoring Wells

NOTES:

- J = Estimated Value
- (ft/bgs) = Feet Below Ground Surface
- µg/l = micrograms per liter
- Values in RED indicate exceedance
- a = Result is above California MCL
- ND = Not Detected

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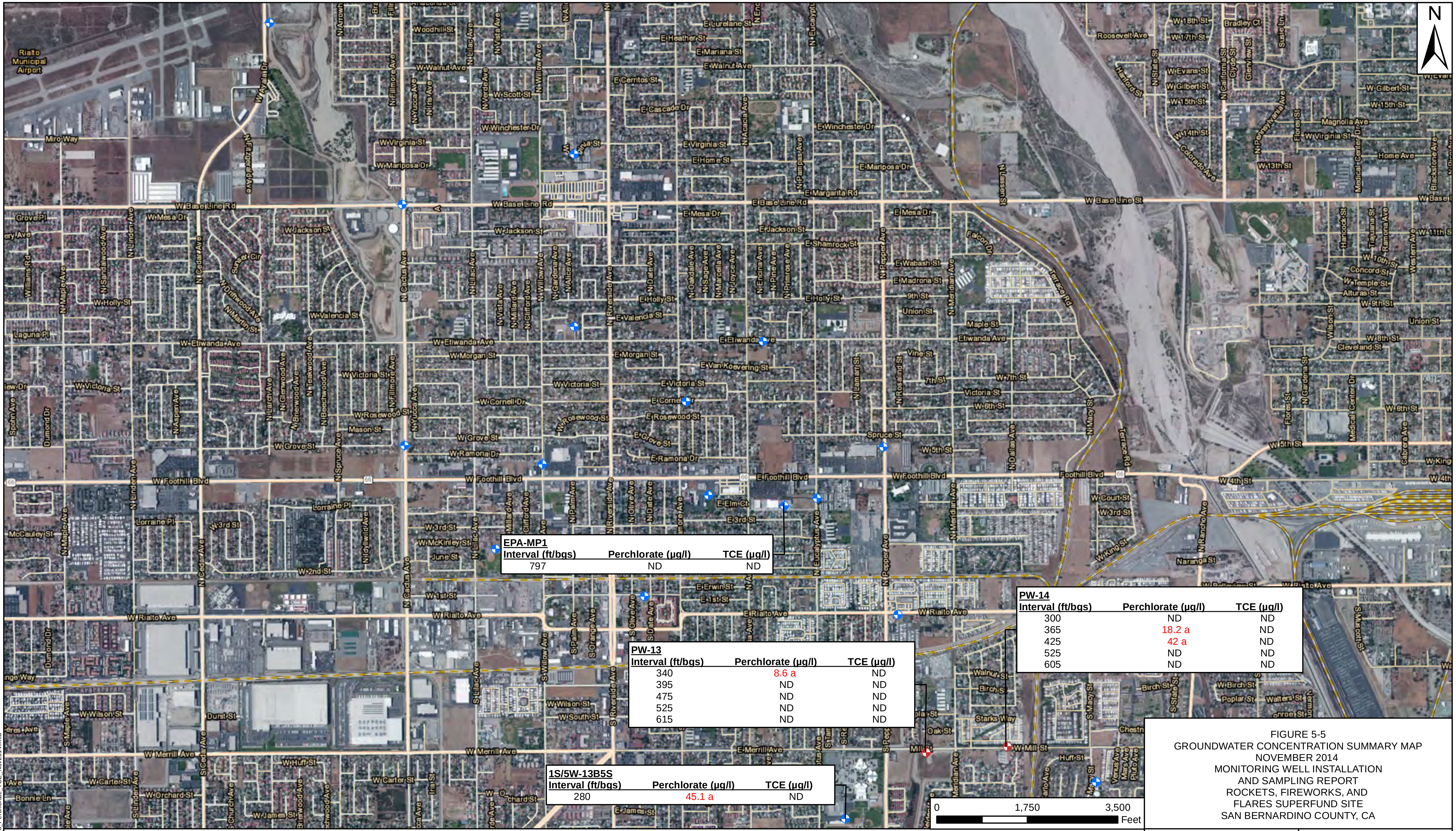

EPA-MP1

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
797	ND	ND

PW-13

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
340	8.6 a	ND
395	ND	ND
475	ND	ND
525	ND	ND
615	ND	ND

PW-14

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
300	ND	ND
365	18.2 a	ND
425	42 a	ND
525	ND	ND
605	ND	ND

1S/5W-13B5S

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
280	45.1 a	ND

0 1,750 3,500 Feet

FIGURE 5-5
GROUNDWATER CONCENTRATION SUMMARY MAP
NOVEMBER 2014
MONITORING WELL INSTALLATION
AND SAMPLING REPORT
ROCKETS, FIREWORKS, AND
FLARES SUPERFUND SITE
SAN BERNARDINO COUNTY, CA

Existing Monitoring Wells

Recently Installed Monitoring Wells

NOTES:

- J = Estimated Value
- (ft/bgs) = Feet Below Ground Surface
- µg/l = micrograms per liter
- Values in RED indicate exceedance
- a = Result is above California MCL
- ND = Not Detected

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6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 Conclusions

Based on the analytical results for the newly installed and nearby existing groundwater monitoring wells, it appears that the southern extent of the Site-related, synthetic perchlorate MCL exceedances are delineated to the west by EPA-MP1, PW-12, EPA-MP2 and possibly 1S/5W-13B. Although perchlorate was detected above the MCL in the shallowest interval of 1S/5W-13B, an ongoing but as of yet unpublished perchlorate isotopic study in the RCB suggests the perchlorate in this well is predominately non-synthetic and therefore is not Site related. However, it should be noted that perchlorate concentrations in 1S/5W-13B have increased in 2014, subsequent to the perchlorate isotopic study. To the east, the extent of the Site-related synthetic perchlorate MCL exceedances are delineated (approximately) by EPA-MP7, which contains intermittent perchlorate concentrations slightly above the MCL in the shallowest two intervals, and to the south by CPW-17 and Colton-15. Although perchlorate has been detected in Colton-15 at concentrations below the MCL since 2008, the as of yet unpublished RCB isotopic study suggests that the perchlorate in this well is also predominately non-synthetic and therefore not Site-related. The southern boundary of the Site-related, synthetic perchlorate MCL exceedances appears to be located between PW-14 and Colton-17; however, the origin of the perchlorate detected in Colton-17 has not been confirmed. The approximate extent of synthetic perchlorate in groundwater at concentrations above the MCL is presented in Figure 6-1. Further delineation of perchlorate does not appear warranted at this time; however, the origin of perchlorate detected in Colton-17, 1S/5W-13B, and PW-14 (425' interval) will be evaluated via stable isotope analyses that will be conducted in the second quarter of 2015. A work plan for the proposed stable isotope analyses will be submitted to U.S. EPA under separate cover.

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.

Based on the results of groundwater sampling and analysis in 2014, no further delineation of OU-2 appears necessary at this time. It is requested that authorization to proceed with preparation of the Technical Memoranda (in conjunction with the stable isotope analyses) as described in the approved RI/FS Work Plan be granted by U.S. EPA. Annual groundwater monitoring will continue through completion of the RI/FS. Groundwater monitoring wells PW-13 and PW-14 will be sampled two times in 2015 and then once annually after 2015.

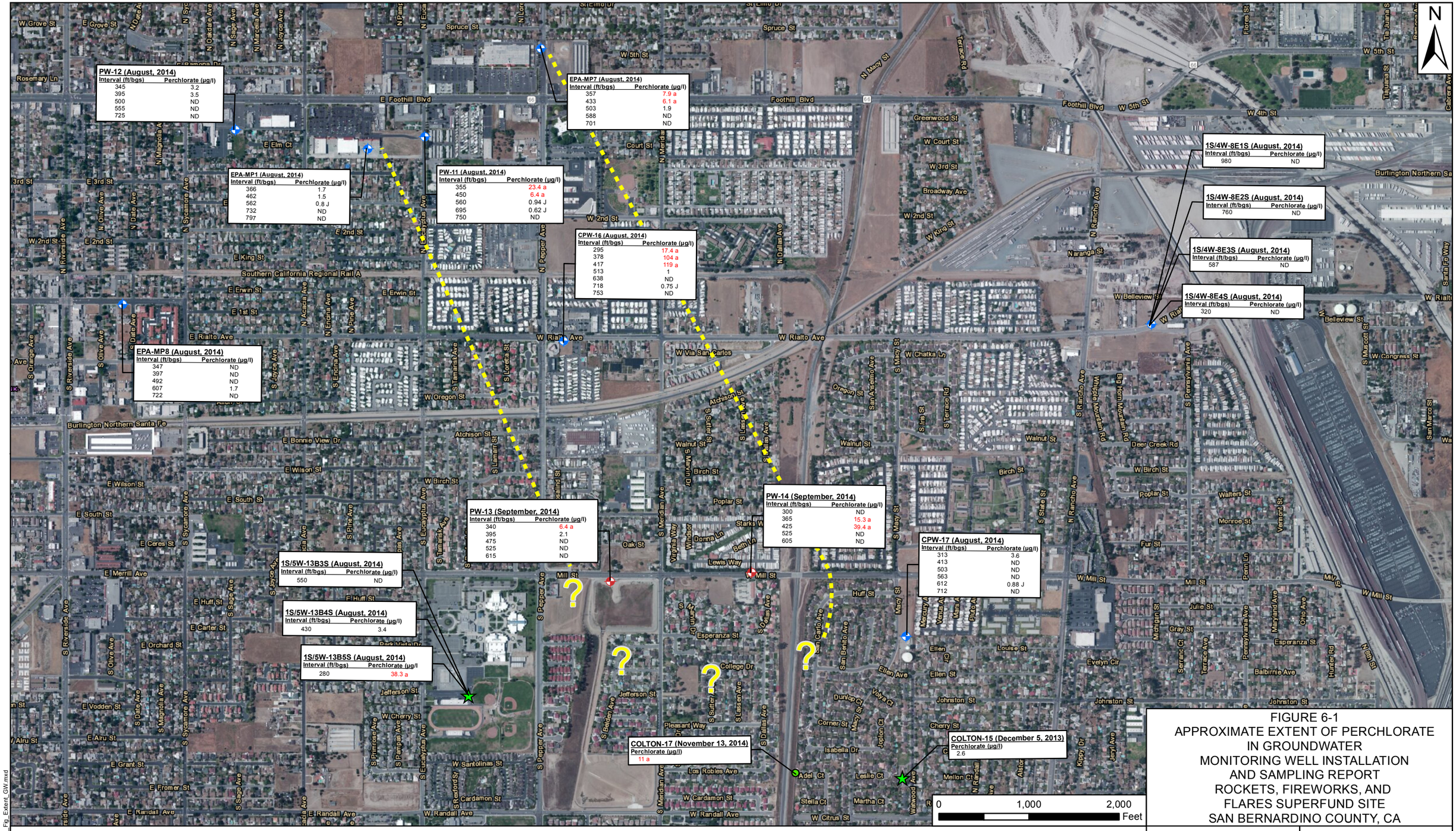

FIGURE 6-1
APPROXIMATE EXTENT OF PERCHLORATE IN GROUNDWATER
MONITORING WELL INSTALLATION AND SAMPLING REPORT
ROCKETS, FIREWORKS, AND FLARES SUPERFUND SITE
SAN BERNARDINO COUNTY, CA

Perchlorate with Chilean Isotope Signature

City of Colton Production Well

Existing Monitoring Wells

Recently Installed Monitoring Wells

Approximate Extent of Synthetic Perchlorate in Groundwater above MCL

NOTES:

- J = Estimated Value
- (ft/bgs) = Feet Below Ground Surface
- µg/l = micrograms per liter
- Values in RED indicate exceedance
- a = Result is above California MCL
- ND = Not Detected

REQUESTED BY: J. TEVES

DRAWN BY: M. SENNE

DATE: 2/17/2015

PROJECT NO: 0888813841

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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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7.0 REFERENCES

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Appendix A
Lithology and Well Construction Logs

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2151 Salvio Street, Suite 301
Concord, California 94520

Log of Groundwater Monitoring Well: PW-13

Project: Rockets, Fireworks, and Flares Superfund Site
2771 West Mill Street, San Bernardino, CA 92410

Client: UTC
Project: 0888814914
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 07/14/2014
Drilling Method: Mud Rotary
Drilling Contractor: Yellow Jacket Drilling
Sampling Method: Westbay System
Geologist: Miguel Oviedo

Longitude: 34.0920999
Latitude: -117.3503675
Surface Elevation FT: 1150.51
TOC Elevation: 1150.11
Total Depth BGS: 803

DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
0			SP-SM SM			POORLY GRADED GRAVEL WITH SILT AND GRAVEL (SP-SM), dry, light brownish gray (10YR 6/2), 40% fine sand, 30% medium sand, 10% coarse sand, 10% fines, 10% gravel, subround to angular, fill material.	
-5						SILTY SAND (SM), dry, brown (10YR 5/3), 80% fine sand, 20% silt, soft, possibly fill.	
-10							
-15							
-20			SP			POORLY GRADED SAND (SP), dark grayish brown (10YR 4/2), 40% fine sand, 40% medium sand, 20% coarse sand, subround to subangular.	
-25							
-30						Same as above except brown (10YR 5/3), 50% medium sand, 30% fine sand, 20% coarse sand.	
-35							
-40						0.29 feet/minute.	
-45							
-50						0.33 feet/minute.	
-55							
-60			GW			WELL GRADED GRAVEL (GW), grayish brown (2.5Y 5/2), 90% fine gravel, 10% fine to coarse sand, angular to subangular, grains are individual components of granitic type rock, 0.33 feet/minute.	
-65							

Notes:

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DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-70			SP			POORLY GRADED SAND (SP), light yellowish brown (2.5Y 6/3), 50% medium sand, 30% fine sand, 20% coarse sand, subangular, 0.11 feet/minute.	
-75							
-80			GW			WELL GRADED GRAVEL (GW), medium gravel, angular, granitic minerals,possilby drilling through cobbles or boulders, 0.33 feet/minute.	
-85							
-90			GP			POORLY GRADED GRAVEL (GP), light yellowish brown (2.5Y 6/3), 70% medium gravel, 10% fine gravel, 20% fine to coarse sand, angular to subangular, 0.33 feet/minute.	
-95							
-100			SP			POORLY GRADED SAND (SP), light yellowish brown (2.5Y 6/3), 60% medium sand, 40% fine sand, subangular, 0.33 feet/minute.	
-105							
-110						Same as above except, light brownish gray (2.5Y 6/2), 50% fine sand, 40% medium sand, 10% fine gravel, 0.66 feet/minute.	
-115							
-120			GP			POORLY GRADED GRAVEL (GP), light brown (2.5Y 5/2), 40% medium sand, 30% coarse sand, 20% fine sand, 10% fine gravel, subround to subangular, granitic mineral fragments, 0.40 feet/minute.	
-125							
-130			SP			POORLY GRADED SAND (SP), grayish brown (2.5Y 5/2), 30% medium sand, 30% coarse sand, 20% fine sand, 20% fine gravel, angular to subangular	
-135							

Notes:

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DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-140						0.33 feet/minute.	
-145							
-150						0.33 feet/minute.	
-155							
-160						Same as above except 10% more gravel, angular to subangular, minerals: quartz, K and Ca feldspars, hornblende, 0.33 feet/minute.	
-165							
-170			SM			SILTY SAND WITH GRAVEL (SM), light olive brown (2.5Y 5/3), 30% medium sand, 30% fine sand, 20% fines, 10% coarse sand, 10% fine gravel, subround to subangular, 0.40 feet/minute.	
-175							
-180						Same as above except less gravel, 0.40 feet/minute.	
-185							
-190						Same as above excpet no gravel, color is light brownish gray (2.5Y 6/2), 50% mafic/50% felsic mineral grains, 0.33 feet/minute.	
-195							
-200						0.33 feet/minute.	
-205							

Notes:

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DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-205							
-210			SP-SM			POORLY GRADED SAND WITH SILT (SP-SM), light brownish gray (2.5Y 6/2), 50% fine sand, 30% medium sand, 10% coarse sand, 10% fines, subround, 0.33 feet/minute.	
-215							
-220						0.33 feet/minute	
-225							
-230			SM			SILTY SAND (SM), grayish brown (2.5Y 5/2), 30% fines, 50% fine sand, 20% medium sand, subround, 0.33 feet/minute.	
-235							
-240						Same as above except light yellowish brown (2.5Y 6/3) and finer, 70% fine sand, 30% fines, 0.33 feet/minute.	
-245							
-250			ML			SANDY SILT (ML), light yellowish brown (2.5Y 6/3), 60% fines, 40% fine sand, non-plastic, 0.33 feet/minute.	
-255							
-260			SM			SILTY SAND (SM), light brownish gray (2.5Y 6/2), 40% fine sand, 20% medium sand, 40% fines, subround, 0.66 feet/minute.	
-265							
-270						0.40 feet/minute.	

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DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-275							
-280						0.18 feet/minute.	
-285							
-290						0.30 feet/minute.	
-295							
-300						Same as above except light olive brown (2.5Y 5/3), 0.33 feet/minute.	
-305							
-310						0.33 feet/minute.	
-315							
-320						0.29 feet/minute.	
-325							
-330						Same as above except light brownish gray (2.5Y 6/2), 0.29 feet/minute.	
-335							
-340						0.20 feet/minute.	

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DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-345							
-350						Same as above except grayish brown (2.5Y 5/2), 50% fine sand, 40% fines, 10% medium sand, 0.30 feet/minute.	
-355							
-360						0.33 feet/minute.	
-365							
-370						0.33 feet/minute.	
-375							
-380						0.22 feet/minute.	
-385							
-390						0.29 feet/minute.	
-395							
-400						0.50 feet/minute.	
-405							
-410							

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DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-415						Same as above except light yellowish brown (2.5Y 6/3) and slightly coarser, 50% fine sand, 30% fines, 20% medium sand, majority of grains are felsdspars and quartz.	
-420							
-425							
-430						Same as above except light brownish gray (10YR 6/2) and coarser, 30% fine sand, 30% medium sand, 20% coarse sand, 20% fines.	
-435							
-440						0.33 feet/minute.	
-445							
-450						Same as above except finer, 50% fine sand, 30% medium sand, 20% fines, 0.40 feet/minute.	
-455							
-460						Same as above except light yellowish brown (2.5Y 6/3) and finer, 40% fine sand, 20% medium sand, 40% fines, 0.30 feet/minute.	
-465							
-470						0.33 feet/minute.	
-475							
-480							

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DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-480						Same as above except slightly coarser, 40% fine sand, 30% medium sand, 30% fines, 0.22 feet/minute.	
-485							
-490						Same as above except coarser, 40% medium sand, 30% fine sand, 20% fines, 10% coarse sand, 0.29 feet/minute.	
-495							
-500						Same as above except light olive brown (2.5Y 5/4) and finer, 40% fine sand, 30% fines, 20% medium sand, 10% coarse sand, 0.30 feet/minute.	
-505							
-510						Same as above except light yellowish brown (2.5Y 6/3) and coarser, 40% medium sand, 30% fine sand, 20% fines, 10% coarse sand, predominantly quartz sand, 0.18 feet/minute.	
-515							
-520						0.33 feet/minute.	
-525							
-530						Same as above except finer, 60% fine sand, 20% medium sand, 20% fines, 0.20 feet/minute.	
-535							
-540			SP-SM			POORLY GRADED SAND WITH SILT (SP-SM), light yellowish brown (2.5Y 6/3), 50% fine sand, 40% medium sand, 10% fines, trace gravel, 0.30 feet/minute.	
-545							

Notes:

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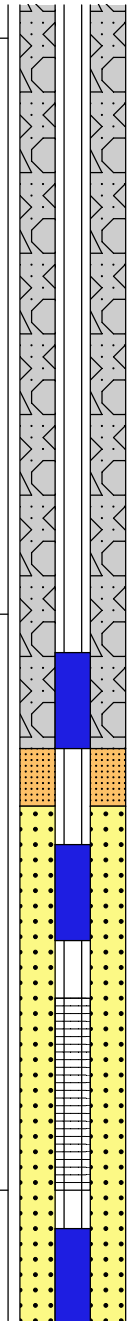
DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-550			SM			SILTY SAND (SM), light yellowish brown (2.5Y 6/3), 60% fine sand, 30% fines, 10% medium sand, subround, 0.30 feet/minute.	
-555							
-560						0.30 feet/minute.	
-565							
-570						Same as above except coarser, 60% fine sand, 20% medium sand, 20% fines, 0.30 feet/minute.	
-575							
-580			SP-SM			POORLY GRADED SAND WITH SILT (SP-SM), light yellowish brown (2.5Y 6/3), 70% fine sand, 20% medium sand, 10% fines, subround, 0.30 feet/minute.	
-585							
-590						0.33 feet/minute.	
-595							
-600						0.33 feet/minute.	
-605							
-610			SM			SILTY SAND (SM), light yellowish brown (2.5Y 6/3), 70% fine sand, 20% fines, 10% medium sand, subround.	
-615							



Notes:

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DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-620						0.25 feet/minute.	
-625							
-630			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, lots of quartz, some feldspars, biotite, 0.30 feet/minute.	
-635							
-640			SP			POORLY GRADED SAND (SP), light yellowish brown (2.5Y 6/3), 55% fine sand, 40% medium sand, 5% silt, subround, 0.25 feet/minute.	
-645							
-650						Same as above except 70% fine sand, 30% medium sand, 0.33 feet/minute.	
-655							
-660			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, 0.25 feet/minute.	
-665							
-670						0.33 feet/minute.	
-675							
-680						0.33 feet/minute.	
-685							

Notes:

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DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-685							
-690						0.33 feet/minute.	
-695							
-700			SM			SILTY SAND (SM), light brownish gray (2.5Y 6/2), 50% fine sand, 40% fines, 10% medium sand, subround.	
-705							
-710						0.33 feet/minute.	
-715							
-720						0.29 feet/minute.	
-725							
-730						Same as above except slightly coarser, 60% fine sand, 30% fines, 10% medium sand, subround, 0.40 feet/minute.	
-735							
-740						0.33 feet/minute.	
-745							
-750						Same as above except more fines, 60% fine sand, 40% fines, 0.40 feet/minute.	

Notes:

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DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-755							
-760						Same as above except pale yellow (2.5Y 7/3) and more sand, 70% fine sand, 30% fines, 0.40 feet/minute.	
-765							
-770			ML			SANDY SILT (ML), pale yellow (2.5Y 7/3), 60% fines, 40% fine sand, soft, non-plastic, 0.40 feet/minute.	
-775							
-780						0.50 feet/minute.	
-785							
-790			CL			SANDY CLAY (CL), pale yellow (2.5Y 7/3), 60% fines, 40% fine sand, soft, non-plastic, finer than above, 0.50 feet/minute.	
-795							
-800						0.50 feet/minute.	

Notes:

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Log of Groundwater Monitoring Well: PW-14

Project: Rockets, Fireworks, and Flares Superfund Site
2628 West Mill Street, San Bernardino, CA 92410

Client: UTC
Project: 0888814914
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 05/20/2014
Drilling Method: Mud Rotary
Drilling Contractor: Yellow Jacket Drilling
Sampling Method: Westbay System
Geologist: Miguel Oviedo

Longitude: 34.0923854
Latitude: -117.3451803
Surface Elevation FT: 1170.16
TOC Elevation: 1169.78
Total Depth BGS: 805

DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
0			Asphalt			Asphalt, roadway.	
-5			SP			POORLY GRADED SAND (SP), dry, light yellowish brown (10YR 6/4), fine to medium sand with little coarse sand, subround to subangular, lots of quartz sand.	
-10							
-15							
-20						Same as above except wet.	
-25							
-30						POORLY GRADED SAND (SP), grayish brown (10YR 4/2), 80% medium sand, 20% fine sand, subangular to subround, quartz and micas, 1.0 feet/min.	
-35							
-40						Same as above except 60% fine sand, 30% medium sand, 10% silt, 1.0 feet/minute.	
-45							
-50						Same as above except coarser with gravel, light olive brown (2.5Y 5/4), 30% fine sand, 30% medium sand, 30% fine gravel, 20% coarse sand, gravel is subangular to angular, 1.0 feet/minute.	
-55							
-60						Same as above with less gravel, 60% medium sand, 30% coarse sand, 10% fine gravel, quartz and feldspar grains, 0.5 feet/minute.	
-65							

Notes:

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2151 Salvio Street, Suite 301
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DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-70						Same as above.	
-75							
-80						Same as above except finer, 40% fine sand, 40% medium sand, 20% coarse sand, subround, 0.67 feet/minute.	
-85							
-90						Same as above except more gravel, 60% coarse sand, 40% fine gravel, mafic and felsic grains, pink and white quartz, pink feldspars, 0.67 feet/minute.	
-95							
-100			GP			SANDY GRAVEL (GP), olive brown (2.5Y 4/3), 60% fine gravel, 30% coarse sand, 10% medium sand, subround grains, 0.67 feet/minute.	
-105							
-110						0.67 feet/minute.	
-115							
-120			GM			SILTY GRAVEL (GM), olive brown (2.5Y 4/3), 50% coarse gravel, 10% fine to medium gravel, 20% fine to coarse sand, 20% silt, subround sand and subangular gravel, 0.20 feet/minute.	
-125							
-130			SP			POORLY GRADED SAND WITH GRAVEL (SP), grayish brown (2.5Y 5/2), 40% medium sand, 30% fine sand, 10% coarse sand, 10% fine to medium gravel, 10% silt, subround to subangular grains, 0.4 feet/minute.	
-135							

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DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-140			SM			SILTY SAND WITH GRAVEL (SM), grayish brown (2.5Y 5/2), 30% fine sand, 30% medium sand, 20% silt, 10% coarse sand, 10% fine gravel, subround to subangular grains, harder drilling, 0.30 feet/minute.	
-145							
-150			SP-SM			POORLY GRADED SAND WITH SILT (SP-SM), grayish brown (2.5Y 5/2), 40% medium sand, 30% fine sand, 20% coarse sand, 10% silt, subround to subangular, 0.30 feet/minute.	
-155							
-160							
-165							
-170			SM			SILTY SAND (SM), grayish brown (2.5Y 5/2), 30% medium sand, 20% coarse sand, 20% fine sand, 20% silt, 10% fine gravel, subangular grains, 0.33 feet/minute.	
-175							
-180			GM			SILTY GRAVEL (GM), grayish brown (2.5Y 5/2), 60% fine gravel, 30% fine to coarse sand, 10% silt, subangular grains, granitic rock source, 0.15 feet/minute.	
-185							
-190							
-195							
-200			CL			SANDY CLAY (CL), light olive brown (2.5Y 5/3), 70% fines, 20% fine sand, 10% coarse sand, non-plastic, 0.18 feet/minute.	
-205							

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DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-205							
-210			SM			SILTY SAND WITH GRAVEL (SM), light olive brown (2.5Y 5/3), 30% coarse sand, 30% medium sand, 20% fines, 10% fine sand, 10% fine gravel, subangular, tough drilling, rig chatter, 0.13 feet/minute.	
-215							
-220							
-225							
-230			SP			POORLY GRADED SAND (SP), grayish brown (2.5Y 5/2), 40% medium sand, 30% coarse sand, 30% fine sand, subround, tough drilling.	
-235							
-240						Same as above except coarser, 60% coarse sand, 25% medium sand, 15% fine sand, lots of quartz, 0.18 feet/minute.	
-245							
-250			CL			SANDY CLAY (CL), light yellowish brown (2.5Y 6/4), 70% fines, 30% fine sand, non-plastic, soft, 0.25 feet/minute.	
-255							
-260			SC			CLAYEY SAND (SC), light yellowish brown (2.5Y 6/4), 30% fine sand, 30% fines, 20% medium sand, 20% coarse sand, angular sand, soft fines, non-plastic, 0.10 feet/minute.	
-265							
-270						0.16 feet/minute.	

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Latitude: -117.3451803
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TOC Elevation: 1169.78
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DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-275							
-280						Same as above except some angular gravel, 0.06 feet/minute.	
-285							
-290			ML			SANDY SILT (ML), light yellowish brown (2.5Y 6/4), 60% fines, 40% fine sand, non-plastic, soft, 0.67 feet/minute.	
-295							
-300			SM			SILTY SAND (SM), olive brown (2.5Y 4/3), 30% medium sand, 30% coarse sand, 20% fine sand, 20% fines, angular to subangular grains, 0.11 feet/minute.	
-305							
-310						0.05 feet/minute.	
-315							
-320			SP			POORLY GRADED SAND (SP), light yellowish brown (10YR 6/4), 60% medium sand, 40% coarse sand, angular to subangular grains, lots of quartz and feldspar with some hornblende, 0.05 feet/minute.	
-325							
-330			SC			CLAYEY SAND (SC), yellowish brown (10YR 5/4), 80% fine sand, 20% fines, subangular, 0.07 feet/minute.	
-335							
-340			SM			SILTY SAND (SM), yellowish brown (10YR 5/4), 35% fine sand, 25% medium sand, 20% coarse sand, 20%	

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DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-345						fines, subangular grains.	
-350							
-355							
-360						0.1 feet/minute	
-365							
-370						Same as above except brown (10YR 5/3), 40% fine sand, 30% medium sand, 20% silt, 10% coarse sand, 0.05 feet/minute.	
-375							
-380						0.11 feet/minute.	
-385							
-390						Same as above except light yellowish brown (2.5Y 6/3), 40% fine sand, 20% medium sand, 20% coarse sand, 20% silt, 0.10 feet/minute.	
-395							
-400						Finer, 60% fine sand, 20% medium sand, 20% fines, 0.06 feet/minute.	
-405							
-410							

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DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-415						0.13 feet/minute.	
-420			SP			POORLY GRADED SAND (SP), light yellowish brown (2.5Y 6/4), 60% fine sand, 30% medium sand, 10% coarse sand, subround grains of quartz, biotite, and feldspars, 0.17 feet/minute.	
-425							
-430						0.15 feet/minute.	
-435							
-440			SM			SILTY SAND (SM), yellowish brown (2.5Y 6/3), 50% fine sand, 20% medium sand, 20% fines, 10% coarse sand, subround to subangular, 0.11 feet/minute.	
-445							
-450						Same as above except slightly coarser, 40% fine sand, 30% medium sand, 20% fines, 10% coarse sand, 0.10 feet/minute.	
-455							
-460							
-465							
-470						Same as above except light brownish gray (2.5Y 6/2), 60% fine sand, 30% silt, 10% medium sand, subround to subangular.	
-475							
-480							

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DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-480							
-485							
-490						Same as above except finer, 70% fine sand, 30% fines, 0.17 feet/minute.	
-495							
-500						More sand, 80% fine sand, 20% silt, 0.18 feet/minute.	
-505							
-510							
-515							
-520			CL			SANDY CLAY (CL), light yellowish brown (2.5Y 6/3), 60% fines, 25% fine sand, 15% medium sand, clay nodules in sandy silt matrix, non-plastic, 0.10 feet/minute.	
-525							
-530						Same as above except light brownish gray (2.5Y 6/2), 0.05 feet/minute.	
-535							
-540			SM			SILTY SAND (SM), pale yellow (2.5Y 7/3), 50% fine sand, 30% medium sand, 20% silt, trace coarse sand, felsic subround to subangular grains.	
-545							

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DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-550						0.07 feet/minute.	
-555							
-560			CL			CLAY (CL), light yellowish brown (2.5Y 6/3), 60% clay, 40% fine sand, non-plastic, clay nodules, 0.09 feet/minute.	
-565							
-570			ML			SANDY SILT (ML), light yellowish brown (2.5Y 6/3), 60% fines, 40% fine sand, non-plastic, 0.10 feet/minute.	
-575							
-580						0.10 feet/minute.	
-585							
-590			SM			SILTY SAND (SM), pale yellow (2.5Y 7/3), 50% fine sand, 40% fines, 10% meduim sand, subround, 0.13 feet/minute.	
-595							
-600						Same as above except light yellowish brown (2.5Y 6/3), tough drilling, bit is bouncing a lot, 0.09 feet/minute.	
-605							
-610						Same as above except coarser, 60% fine sand, 30% fines, 10% medium sand, 0.14 feet/minute.	
-615							

Notes:

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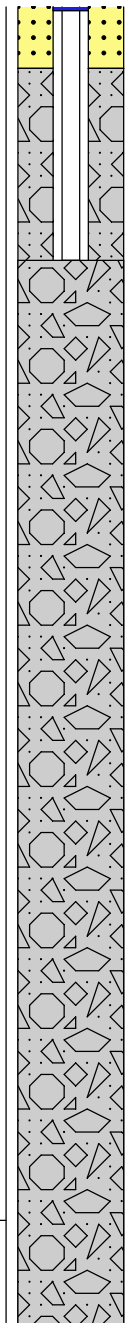
DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-620						0.10 feet/minute.	
-625							
-630						Same as above except slighty finer, 60% fine sand, 40% fines, 0.09 feet/minute.	
-635							
-640						Same as above except light yellowish brown (2.5Y 6/3), 80% fine sand, 20% silt, 0.18 feet/minute.	
-645							
-650						Same as above except pale yellow (2.5Y 7/3), 40% silt, 30% fine sand, 20% medium sand, 10% coarse sand, 0.11 feet/minute	
-655							
-660						0.18 feet/minute.	
-665							
-670							
-675							
-680			SP-SM			POORLY GRADED SAND WTIH SILT (SP-SM), 50% fine sand, 40% medium sand, 10% fines, subround, 0.13 feet/minute.	
-685							



Notes:

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DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-685							
-690			SM			SILTY SAND (SM), pale yellow (2.5Y 7/3), 70% fine sand, 30% fines, subround, 0.10 feet/minute.	
-695							
-700						Same as above except finer, 60% fine sand, 40% fines, non-plastic fines.	
-705							
-710			SC			CLAYEY SAND (SC), pale yellow (2.5Y 7/3), 40% fine sand, 40% fines, 20% medium sand, subround sand, non-plastic fines.	
-715							
-720			CL			SANDY CLAY (CL), pale yellow (2.5Y 7/3), 60% fines, 40% fine sand, non-plastic.	
-725							
-730			ML			SANDY SILT (ML), light yellowish brown (2.5Y 6/3), 70% fines, 30% fine to coarse sand, non-plastic, sand is angular quartz, hornblende, and feldspars, very hard drilling, 0.05 feet/minute.	
-735							
-740			SM			SILTY SAND (SM), pale yellow (2.5Y 7/3), 40% silt, 30% fine sand, 20% medium sand, 10% coarse sand, angular to subangular, 0.06 feet/minute.	
-745							
-750						0.09 feet/minute.	

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DEPTH BGS	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-755							
-760			SP			POORLY GRADED SAND (SP), pale yellow (2.5Y7/3), 60% medium sand, 20% fine sand, 20% coarse sand, subround to subangular grains of quartz, feldspars and hornblende, 0.04 feet/minute.	
-765							
-770						Same as above except finer, 40% fine sand, 40% medium sand, 20% coarse sand, 0.05 feet/minute.	
-775							
-780			SP-SM			POORLY GRADED SAND (SP-SM), pale yellow (2.5Y 7/3), 60% fine sand, 30% medium sand, 10% fines, subround, 0.10 feet/minute.	
-785							
-790			SM			SILTY SAND (SM), light gray (2.5Y 7/2), 40% medium sand, 30% fine sand, 30% fines, 0.20 feet/minute.	
-795							
-800						0.20 feet/minute.	
-805							

Notes:

Appendix B
Well Development Logs

WELL DEVELOPMENT

ZONE E, 335'-345'

ZONE E TIME	Temperature (C°)	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Notes
07/30 1230	27.67	7.66	0.201	0.6	7.94	CLEAR. SURGED PRIOR
1258	26.65	7.60	0.205	0.4	5.70	"
1304						SURGE
1343	28.01	7.60	0.201	5.9	6.04	CLEAR
1358	26.98	7.59	0.202	0.8	7.80	"
1415	25.90	7.60	0.202	0.5	6.91	"

Volumes: 2" well = 0.17 gallon/cubic foot
4" well = 0.68 gallon/cubic foot

WELL DEVELOPMENT

ZONE 'D' 390'-400'

	ZONE D TIME	Temperature (C°)	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Notes
07/30	14:22	29.40	7.54	0.198	18.0	7.48	CLEAR
	1444	27.23	7.60	0.204	10.0	6.82	"
	1456	26.24	7.57	0.207	7.8	5.96	"
	1515	26.29	7.59	0.206	6.7	6.09	"
	1532	26.53	7.51	0.206	8.2	6.56	"
	1547						SURGE.
	1617	26.93	7.60	0.204	4.6	6.64	CLEAR.
	1632	26.05	7.50	0.207	3.5	6.97	"
07/31	0910	25.39	7.48	0.208	2.0	7.59	CLEAR
	0920						SURGE
	0949	25.54	7.45	0.208	4.0	6.20	CLEAR
	0954	25.63	7.36	0.208	3.2	6.05	CLEAR
	0959	24.23	7.36	0.209	0.6	6.05	"

Volumes: 2" well = 0.17 gallon/cubic foot
4" well = 0.68 gallon/cubic foot

WELL DEVELOPMENT

ZONE C
470' - 480'

07/30

ZONE C TIME	Temperature (C°)	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Notes
0815	24.73	6.46	0.234	8.0	6.48	CLEAR
0839	24.67	7.19	0.208	1.0	5.20	"
0856	24.53	7.33	0.208	0.0	7.67	"
0924	24.84	7.39	0.207	0.0	7.21	
0939	24.86	7.39	0.208	0.0	6.50	
0944						SURGE
1011	24.91	7.64	0.211	0.0	5.72	CLEAR
1026	25.24	7.46	0.207	0.0	6.17	"
1042	25.34	7.43	0.207	0.0	5.76	CLEAR.
1107	26.27	7.44	0.205	0.0	5.57	"
1123	26.11	7.39	0.206	0.0	5.24	"
1125	~~26.59~~	~~7.40~~	~~0.204~~	~~2.6~~	~~5.37~~	SURGE
1153	26.59	7.40	0.204	2.6	5.37	CLEAR

Volumes: 2" well = 0.17 gallon/cubic foot
4" well = 0.68 gallon/cubic foot

WELL DEVELOPMENT ZONE 'B'

520'-530'

	ZONE B TIME	Temperature (C°)	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Notes
07/29	1000	26.93	7.56	0.273	0.0	4.74	CLEAR
	1015	25.47	7.76	0.270	0.0	6.91	"
	1036	25.26	7.84	0.270	0.0	7.87	"
	1048	25.08	7.80	0.272	0.0	8.62	"
	1051						SURGE.
	1107	25.08	7.84	0.271	0.0	8.37	CLEAR.
	1126	26.40	7.66	0.274	0.0	4.72	"
	1135	25.57	7.85	0.272	55.8	8.51	A LITTLE CLOUDY.
	1145	24.98	7.78	0.272	0.0	8.11	CLEAR
	1206	25.96	7.85	0.270	0.0	7.82	CLEAR
	1215	~~26.01~~	~~7.69~~	~~0.273~~	~~0.0~~	~~4.74~~	SURGE
	1235	26.01	7.69	0.273	0.0	4.74	CLEAR
	1255	25.45	7.81	0.272	0.0	7.18	"
	1312	26.35	7.87	0.270	0.0	7.75	"
	1321	25.71	7.83	0.271	0.0	7.49	"

Volumes: 2" well = 0.17 gallon/cubic foot
4" well = 0.68 gallon/cubic foot

WELL DEVELOPMENT

ZONE 'A' - 600'-610'

	ZONE A TIME	Temperature (C°)	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Notes
07/28	1427	28.55	7.58	0.271	15.1	7.12	CLEAR
	1436	26.00	7.78	0.271	2.8	7.58	CLEAR.
	1452	25.42	7.86	0.272	0.0	7.49	"
	1504						SURGE
	1520	26.58	7.89	0.265	0.0	7.20	CLEAR.
	1555						SURGE.
	1616	26.53	8.12	0.269	2.7	6.90	CLEAR
	1624	25.59	7.85	0.272	1.9	7.28	CLEAR.
	1632	25.28	7.70	0.271	0.0	7.09	"
	1641	24.88	7.78	0.273	0.0	5.08	"
07/29	0732	22.40	7.83	0.279	0.0	12.36	"
	0752	24.11	7.88	0.273	0.0	5.05	"
	0800						SURGE.
	0815	24.00	7.77	0.272	0.0	9.77	CLEAN.
	0830	23.94	7.77	0.273	0.0	7.11	"

Volumes: 2" well = 0.17 gallon/cubic foot
4" well = 0.68 gallon/cubic foot

WELL DEVELOPMENT

ZONE 'E' 295'-305'

ZONE TIME	Temperature (C°)	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Notes	
0930	20.90	4.77	0.435	98.6	7.42		06-04-14
1020	22.75	6.50	0.287	39.5	12.02		
1110	23.50	6.50	0.281	10.0	13.24		
1123	22.84	6.72	0.284	15.6	10.45	MOVED DOWN SCREEN	
1300	24.08	6.78	0285	17.4	12.59	UPPER PART	
0815	21.67	5.72	0.312	6.5	7.23		06-09-14
0830	21.92	6.58	0.292	24.0	5.98	MOVED	
0850	23.04	6.74	0.295	19.8	5.40		
0910	22.67	7.06	0.284	8.1	6.22		
1040	22.82	7.01	0.289	10.1	19.12	SURGING	
1115	24.88	6.83	0.288	22.7	5.27		
1130	23.62	6.92	0.285	7.2	17.49	SURGING	
1215	24.18	6.83	0.284	13.5	22.59		

Volumes: 2" well = 0.17 gallon/cubic foot
4" well = 0.68 gallon/cubic foot

WELL DEVELOPMENT

ZONE-D' 300' 370'

ZONE TIME	Temperature (C°)	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Notes	
1305	24.59	7.02	0.281	19.6	10.72	MOVED DOWN	06-09-14
1335	25.60	6.92	0.285	17.7	13.03	SCREEN	
1350	24.57	6.94	0.282	90.1	13.84	CLOUDY	
1405	23.49	7.02	0.286	70.5	9.36	CLOUDY	
1505	25.77	7.05	0.278	101	9.02	CLOUDY	
1625	25.42	7.21	0.277	22.0	12.97	CLEAR	
0805	21.05	5.72	0.308	16.7	6.35		06-10-14
0825	21.23	6.52	0.292	5.1	11.69		
0835	21.46	6.52	0.291	7.6	7.12		
0915	21.76	6.84	0.289	36.7	6.53	MOVED UP SCREEN	
1105	23.57	7.11	0.285	0.0	11.79		
1150	23.28	7.03	0.286	0.0	23.12		
1220	23.82	7.02	0.289	10.5	20.53	SURGED	

Volumes: 2" well = 0.17 gallon/cubic foot
4" well = 0.68 gallon/cubic foot

WELL DEVELOPMENT

ZONE 'C' 420'-430'
06-03-14

ZONE 'C' TIME	Temperature (C°)	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Notes
0845	22.36	5.86	0.350	270	7.67	
0930	22.24	6.87	0.292	130	14.76	
1040	23.02	7.31	0.292	39.7	14.76	
1125	23.88	7.45	0.287	7.9	6.74	
1200	24.34	7.38	0.287	57.3	7.75	
1250	24.52	7.50	0.286	51.6	8.41	
1345	24.43	7.47	0.288	8.3	8.84	
1445	25.30	7.58	0.285	52.7	9.73	
1505	25.00	7.50	0.288	58.8	9.31	
1550	26.09	7.54	0.291	45.5	12.42	
1620	24.31	7.63	0.285	19.0	5.93	
0825	21.66	7.84	0.293	15.3	7.60	06-04-14
0905	21.67	7.72	0.289	61.1	10.77	
1315	23.51	7.34	0.284	0.0	13.64	06-10-14
1345	25.20	7.08	0.290	4.3	9.43	
1425	23.43	7.25	0.283	0.0	5.51	
1505	23.69	7.21	0.283	0.0	15.44	

Volumes: 2" well = 0.17 gallon/cubic foot
4" well = 0.68 gallon/cubic foot

WELL DEVELOPMENT

ZONE 'B' 520'-530'

ZONE TIME	Temperature (C°)	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Notes	
1550	23.61	5.36	0.250	15.1	8.38		06-11-14
1620	23.32	6.85	0.284	0.0	13.89		
1625	22.34	6.80	0.287	4.3	7.19	MOVED UP SCREEN	
1643	22.65	7.01	0.286	15.5	6.85		
0750	20.45	5.48	0.318	0.0	7.39		06-12-14
0815	20.78	6.50	0.287	0.0	6.28		
0825	21.53	7.09	0.285	0.0	5.08	MOVED UP SCREEN	
0945	21.78	7.23	0.284	0.0	4.84	SOME SMALL SAND GRAINS, CLEAR.	
1030	22.54	7.16	0.284	0.0	16.19	CLEAR, NO SAND.	
1110	22.57	7.21	0.280	0.0	5.51	SURGED. SOME SAND, LITTLE.	
1145	23.20	7.23	0.283	0.0	15.21		
1435	23.46	7.40	0.262	0.0	8.59	CLEAR WATER	06-26-14
1442	23.19	7.01	0.266	2.3	7.62	LITTLE SAND ON BOTTOM.	
1450	23.12	7.10	0.266	2.9	7.26	NO SAND.	
1500	22.90	7.12	0.267	0.0	6.76	GOING TO SURGE	
1512	22.44	7.07	0.270	40.7	7.02	BACK ON.	
1519	22.34	6.98	0.270	15.5	7.29	CLEAR WATER	
1525	22.23	7.11	0.272	8.1	6.62	"	
1529	22.06	7.05	0.271	0.0	7.03	" , NO SAND.	
1537	22.42	6.97	0.266	15.7	7.21	" "	
1542	22.30	7.05	0.269	~~24.40~~ 0	7.16	" "	
1547	22.31	7.19	0.270	0.0	6.30	" "	
1551	22.29	7.19	0.271	0.0	6.31	" "	

Volumes: 2" well = 0.17 gallon/cubic foot
4" well = 0.68 gallon/cubic foot

WELL DEVELOPMENT

ZONE 'A' 600'-610'

ZONE TIME	Temperature (C°)	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Notes
06-26-14 1158	22.54	5.90	0.343	0.0	7.10	CLEAR WATER.
						SURGED AT 1157
1205	23.25	6.92	0.285	0.0	11.62	BACK ON AT 1202
1215	22.29	7.11	0.283	0.0	6.68	SOME SAND, SMALL ~~[illegible]~~ GRAINS.
1230	22.28	7.11	0.283	0.0	6.75	VERY LITTLE SAND.
1236	22.54	7.28	0.283	0.0	5.59	VERY CLEAR
1245	22.13	7.28	0.285	0.0	5.88	"
1253	22.12	7.18	0.285	0.0	6.28	"
1300	22.06	7.17	0.285	0.0	6.57	"
1303	21.95	7.17	0.285	0.0	6.51	", NO SAND.

Volumes: 2" well = 0.17 gallon/cubic foot
4" well = 0.68 gallon/cubic foot

Appendix C
Geophysical Logs and Westbay Construction Diagrams

PACIFIC SURVEYS

ELECTRIC LOG
LATEROLOG 3
GAMMA-RAY

Job No.
18476

File No.

Company YELLOW JACKET DRILLING SERVICES
Well PW-13
Field SAN BERNARDINO
County SAN BERNARDINO State CA

Location:

W. MILL ST. & S. PEPPER AVE.
GPS: N 34o 05.527' W 117o 21.028

Sec. Twp. Rge.

Other Services:

GR/LL3
DUAL INDUCTION
CALIPER
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	07-01-2014		
Run Number	ONE		
Depth Driller	804'		
Depth Logger	797'		
Bottom Logged Interval	797'		
Top Log Interval	15'		
Casing Driller	14" @ 29'		
Casing Logger	29'		
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	14.29 @ 77F		
Rmf @ Meas. Temp	14.58 @ 77F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEASURE		
Rm @ BHT	N/A		
Time Circulation Stopped	1020		
Time Logger on Bottom	1130		
Max. Recorded Temperature	N/A		
Equipment Number	PS-1		
Location	LA		
Recorded By	SCHUMACHER		
Witnessed By	M. OVIEDO		

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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

Calibration Report

Database File 18476.db
Dataset Pathname elog
Dataset Creation Tue Jul 01 11:31:13 2014

ELOG Calibration Report

Serial:	D4
Model:	DTQ
Shop Calibration Performed:	Tue Oct 01 15:44:01 2013
Before Survey Verification Performed:	Sat Sep 14 11:11:53 2013
After Survey Verification Performed:	Sat Sep 14 11:11:58 2013

Shop Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		Gain	Offset
Short	9.048	101.700		10.200	102.200	Ohm-m	0.993	1.216
Long	10.074	99.007		10.200	102.200	Ohm-m	1.034	-17.500
IEE	29190.000	29190.000	counts	31.946	31.946	A		
VSN	1567.000	1567.000	counts	29.889	29.889	V		
VLN	8050.000	8050.000	counts	153.544	153.544	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

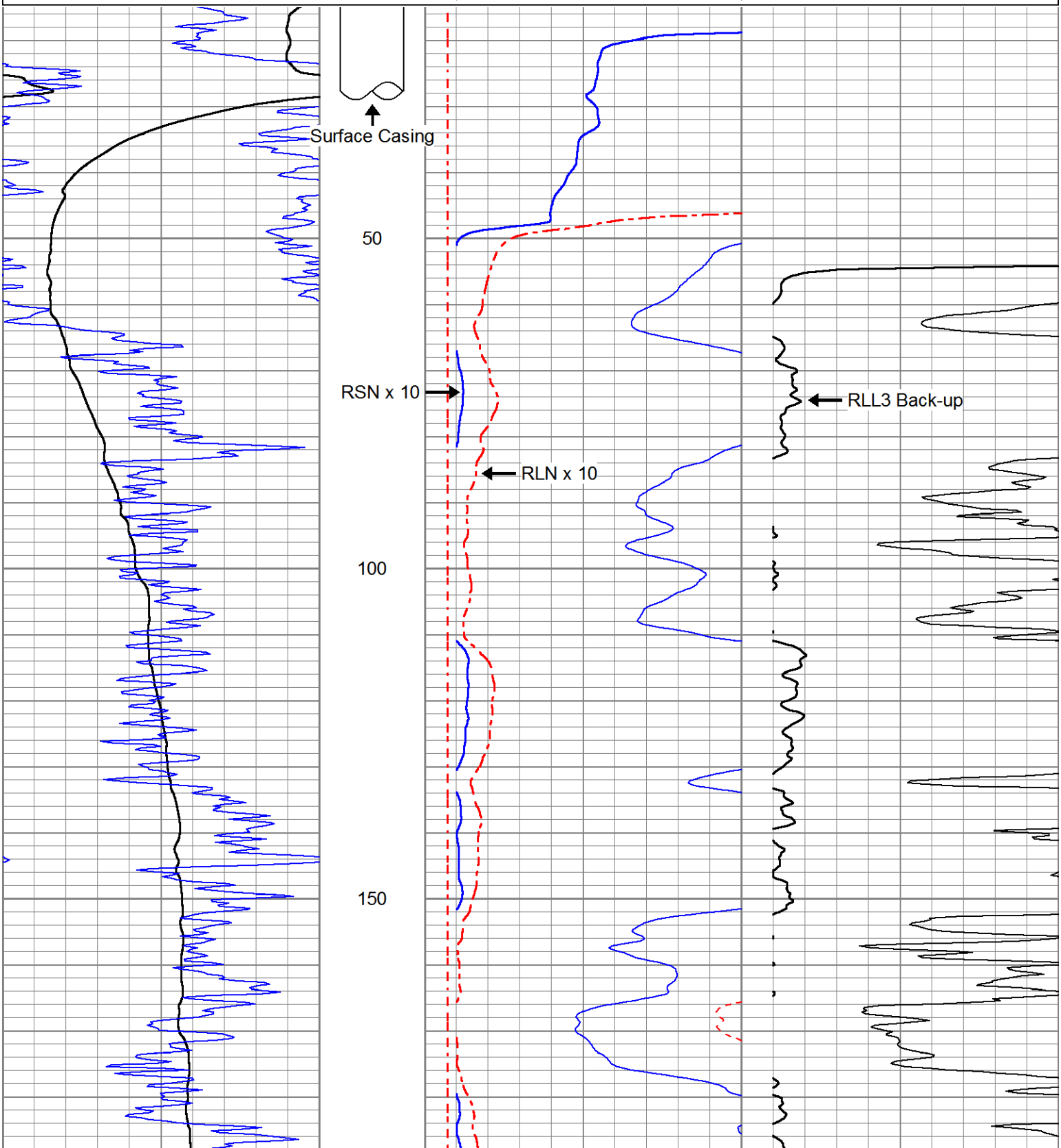
Serial Number:	D4	
Tool Model:	ELOG	
Performed:	Tue Jun 10 11:31:01 2014	
Calibrator Value:	162.0	GAPI
Background Reading:	190.7	cps
Calibrator Reading:	690.6	cps
Sensitivity:	0.3240	GAPI/cps

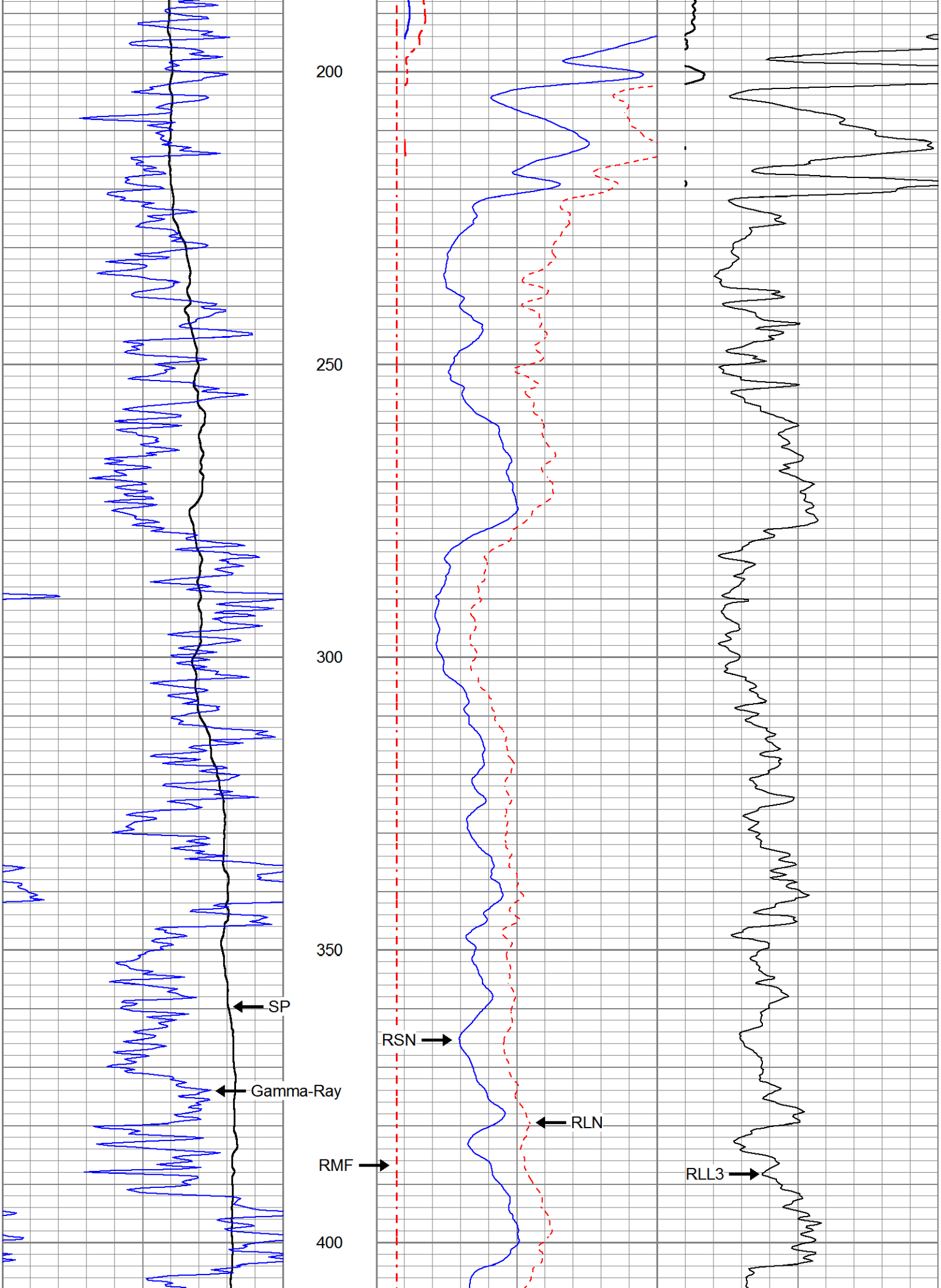
Database File	18476.db
Dataset Pathname	elog
Presentation Format	elog
Dataset Creation	Tue Jul 01 11:31:13 2014
Charted by	Depth in Feet scaled 1:240

-170	SP (mV)	30
55	Gamma-Ray (GAPI)	105

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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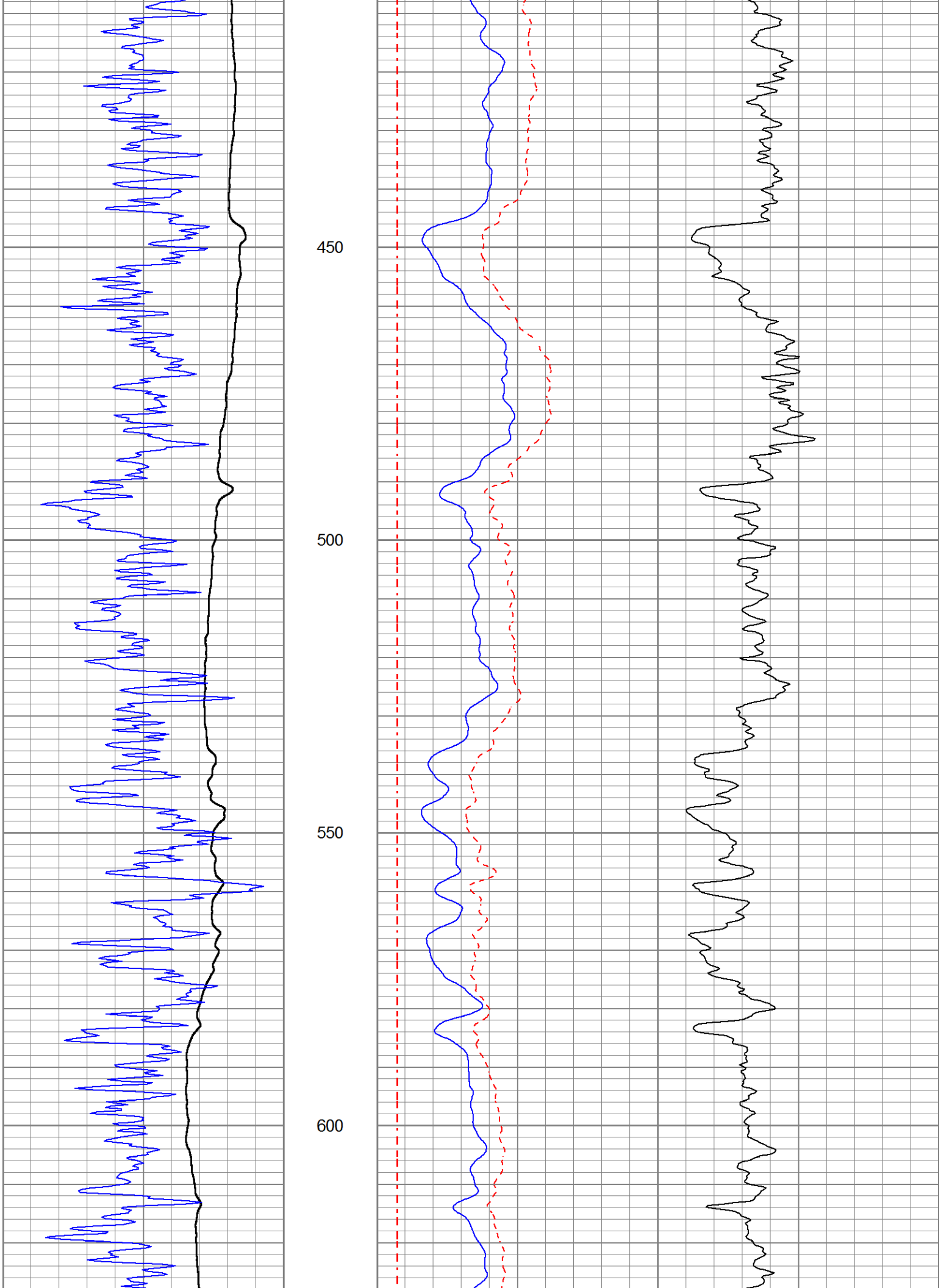
SP
Gamma-Ray
RSN
RLN
RMF
RLL3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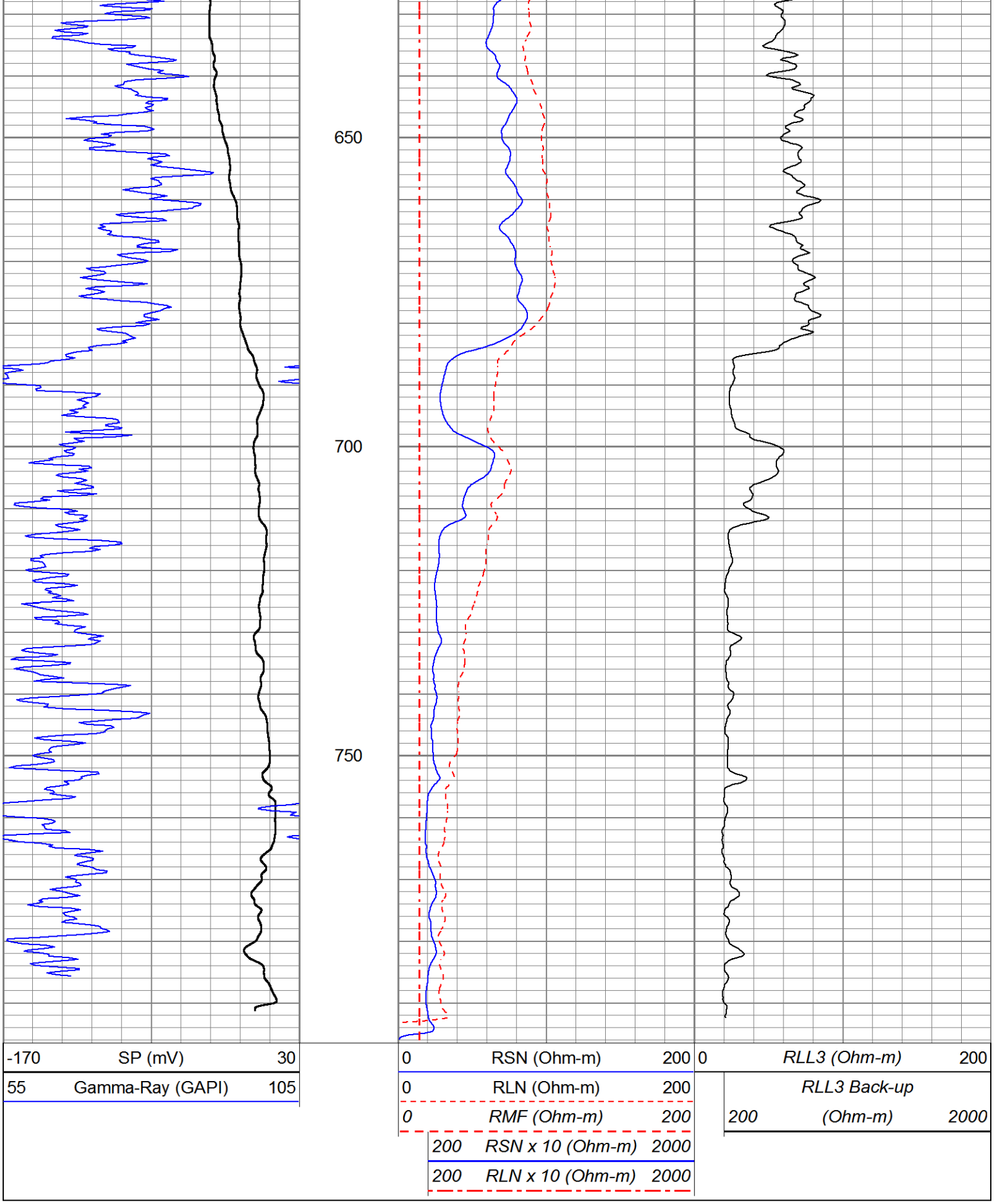
650
700
750
-170 SP (mV) 30
55 Gamma-Ray (GAPI) 105
0 RSN (Ohm-m) 200
0 RLN (Ohm-m) 200
0 RMF (Ohm-m) 200
200 RSN x 10 (Ohm-m) 2000
200 RLN x 10 (Ohm-m) 2000
0 RLL3 (Ohm-m) 200
RLL3 Back-up
200 (Ohm-m) 2000

PACIFIC SURVEYS

ELECTRIC LOG
LATEROLOG 3
GAMMA-RAY

Job No.
18198

File No.

Company YELLOW JACKET DRILLING SERVICES
Well PW-14
Field SAN BERNARDINO
County SAN BERNARDINO State CA

Location:

W. MILL ST. BETWEEN MACY ST. & MERIDIAN AVE.
GPS: N 34o 05.547' W 117o 20.715'

Sec. Twp. Rge.

Other Services:

GR/LL3
SONIC/VDL
DIL
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	05-09-2014		
Run Number	ONE		
Depth Driller	809'		
Depth Logger	809'		
Bottom Logged Interval	809'		
Top Log Interval	20'		
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	TANK		
Rm @ Meas. Temp	13.89 @ 77F		
Rmf @ Meas. Temp	14.14 @ 77F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEASURE		
Rm @ BHT	N/A		
Time Circulation Stopped	0830		
Time Logger on Bottom	1100		
Max. Recorded Temperature	N/A		
Equipment Number	PS-3		
Location	LA		
Recorded By	SCHUMACHER		
Witnessed By	M. OVIEDO		

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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

Calibration Report

Database File 18198.db
Dataset Pathname elog
Dataset Creation Fri May 09 11:10:20 2014

ELOG Calibration Report

Serial:	D4
Model:	DTQ
Shop Calibration Performed:	Tue Apr 15 16:12:03 2014
Before Survey Verification Performed:	Sat Sep 14 11:11:53 2013
After Survey Verification Performed:	Sat Sep 14 11:11:58 2013

Shop Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		Gain	Offset
Short	9.208	101.024		10.200	102.200	Ohm-m	1.002	0.974
Long	8.606	97.919		10.200	102.200	Ohm-m	1.030	-17.000
IEE	31306.580	31308.859	counts	34.262	34.264	A		
VSN	3240.560	3240.880	counts	61.810	61.816	V		
VLN	80.680	94.740	counts	1.539	1.807	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

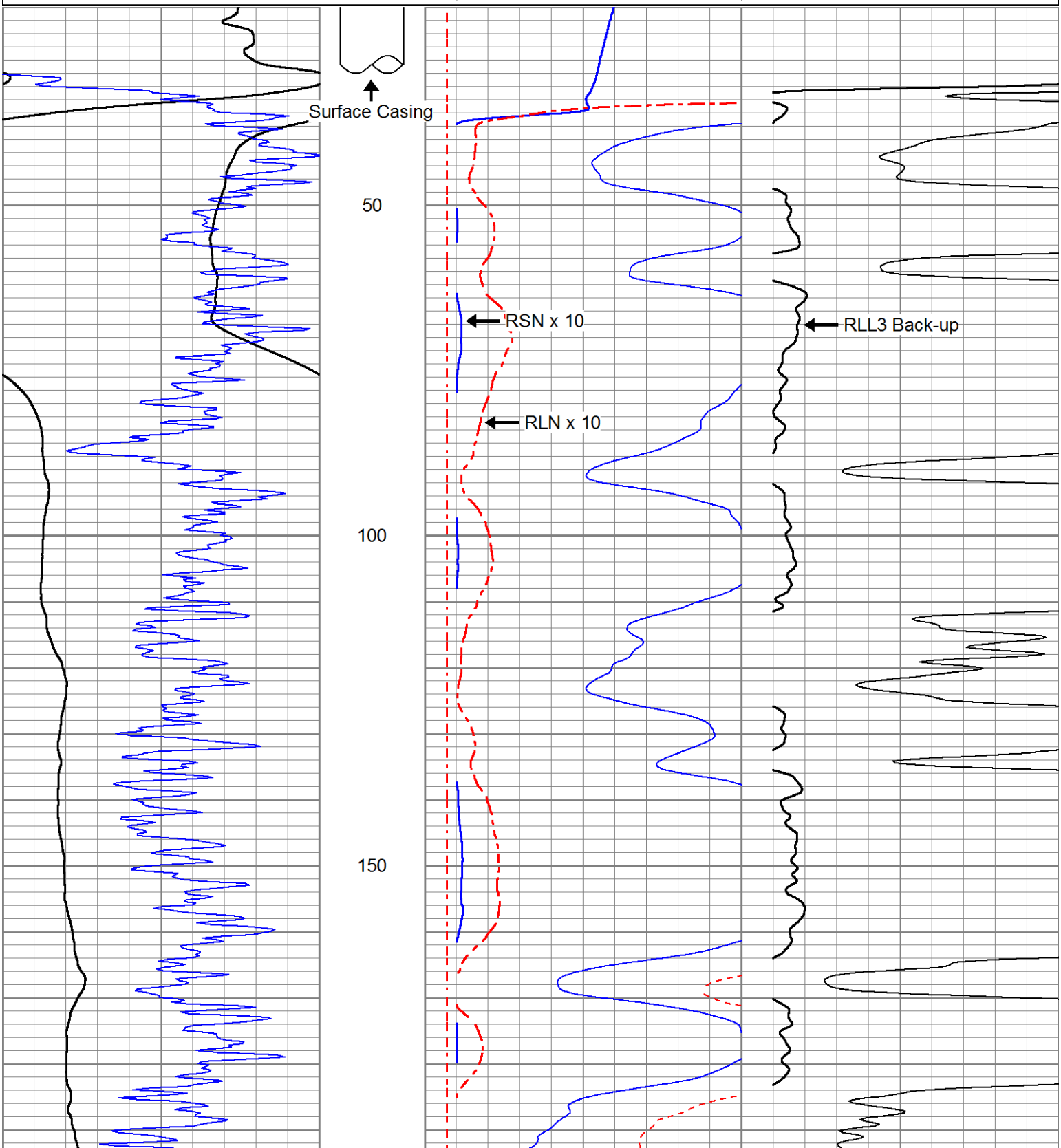
Serial Number:	D4	
Tool Model:	ELOG	
Performed:	Sat Sep 14 11:12:05 2013	
Calibrator Value:	162.0	GAPI
Background Reading:	173.2	cps
Calibrator Reading:	678.3	cps
Sensitivity:	0.3207	GAPI/cps

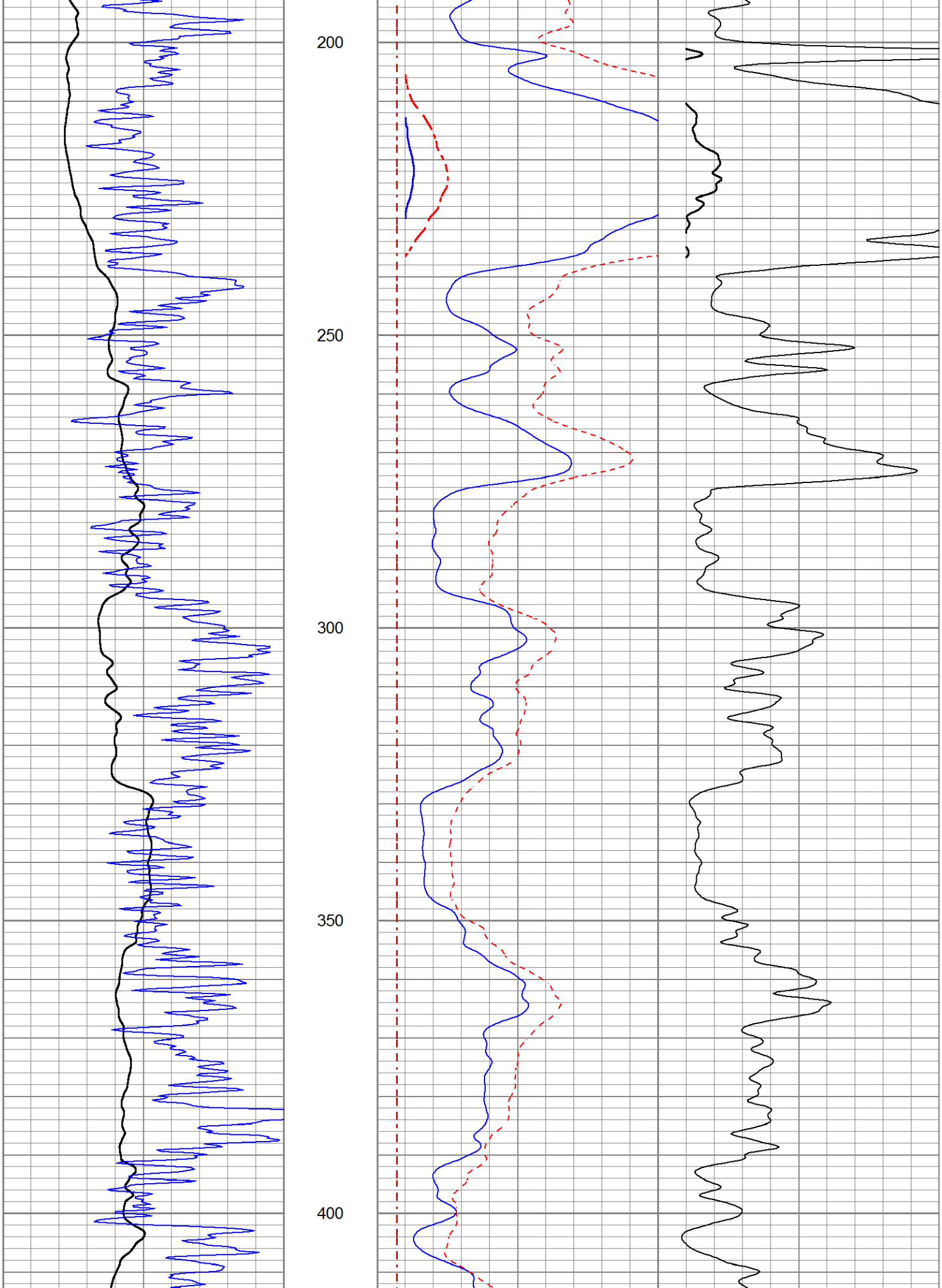
Database File	18198.db
Dataset Pathname	elog
Presentation Format	elog
Dataset Creation	Fri May 09 11:10:20 2014
Charted by	Depth in Feet scaled 1:240

-110	SP (mV)	90
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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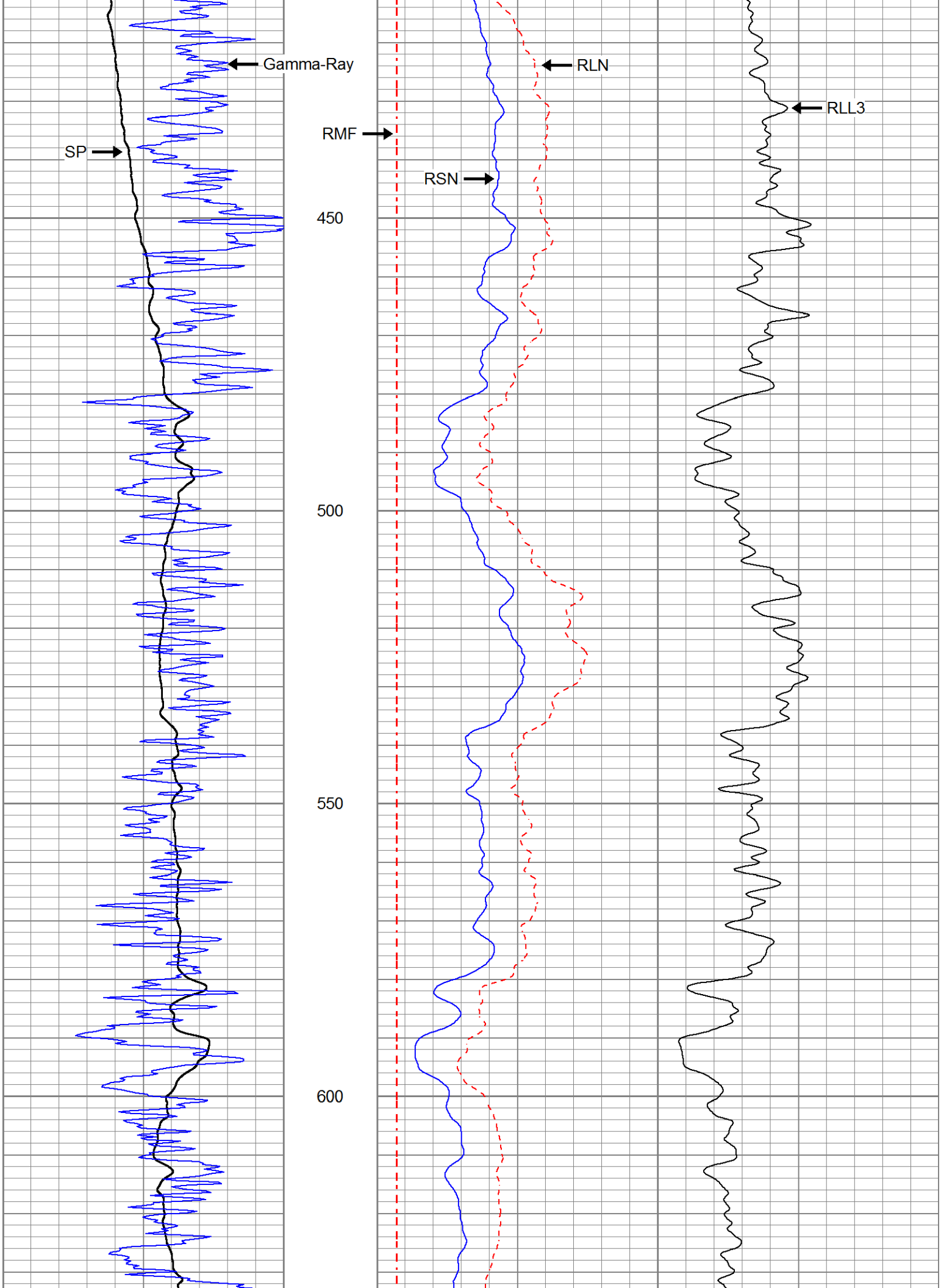
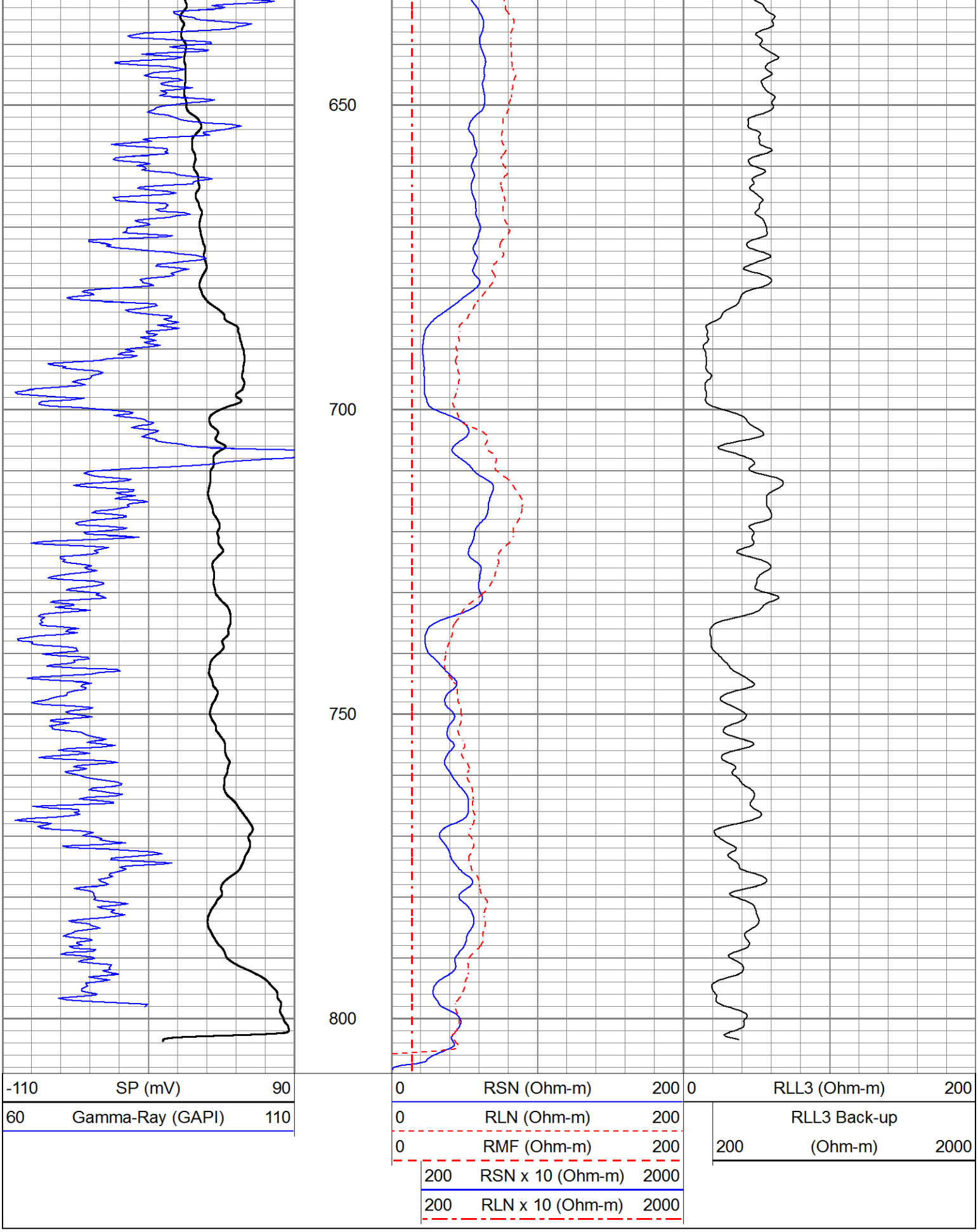

Gamma-Ray
SP
RMF
RSN
RLN
RLL3
450
500
550
600

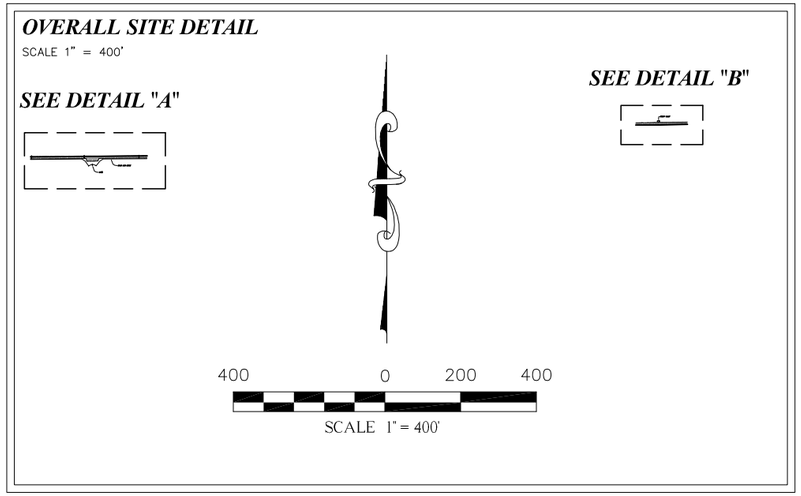

650
700
750
800
-110 SP (mV) 90
60 Gamma-Ray (GAPI) 110
0 RSN (Ohm-m) 200
0 RLN (Ohm-m) 200
0 RMF (Ohm-m) 200
200 RSN x 10 (Ohm-m) 2000
200 RLN x 10 (Ohm-m) 2000
0 RLL3 (Ohm-m) 200
RLL3 Back-up
200 (Ohm-m) 2000

Appendix D
Survey Maps and Data

SITE PLAN

MONITORING WELL LOCATIONS

PROJECT: WELLS IN CITY OF RIALTO

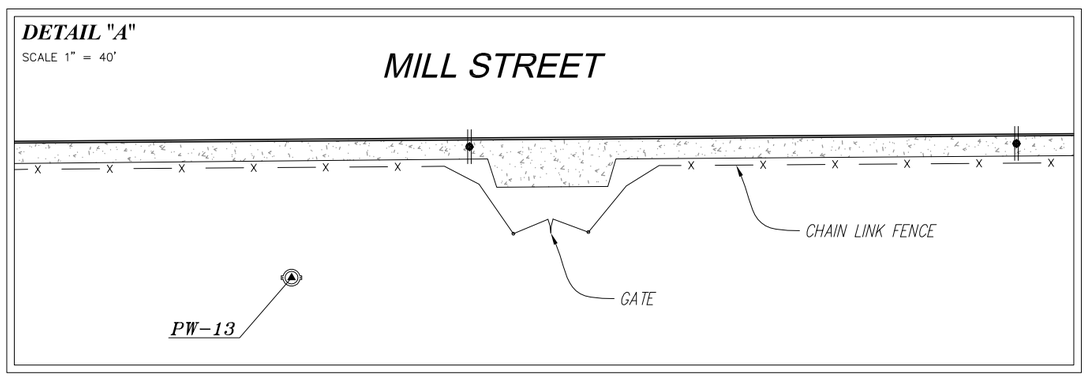


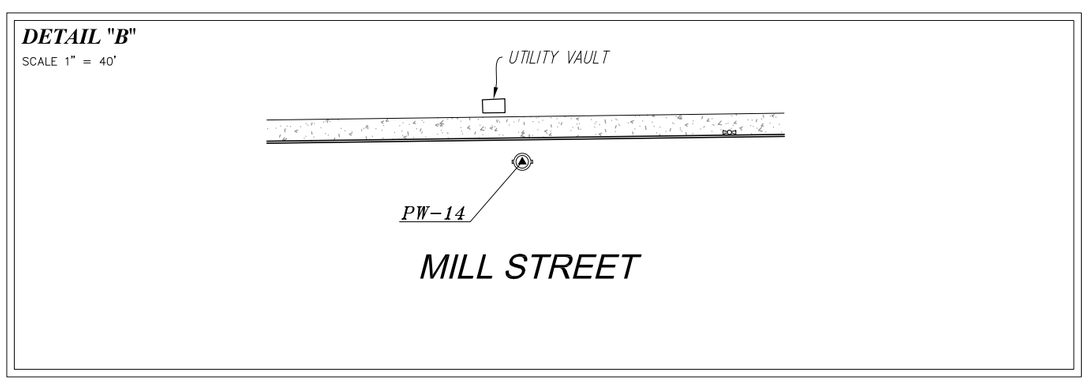
SURVEYED AUGUST 27, 2014

MONITORING WELLS								
WELL	NORTH	EAST	LATITUDE (DD)	LONGITUDE (DD)	TOR (ELEVATION)	NG/FS (ELEVATION)	TOC (ELEVATION)	RISER_HT
PW-13	1856534.69	6758353.15	34.0920999	-117.3503675	1150.92	1150.51	1150.11	-0.40
PW-14	1856648.76	6759922.96	34.0923854	-117.3451803	1170.22	1170.16	1169.78	-0.38

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

DD: DECIMAL DEGREES

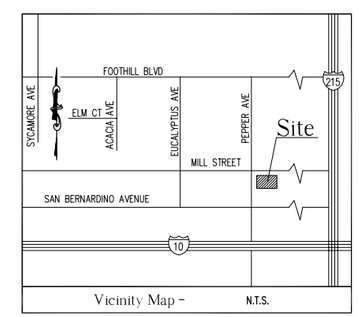




LICENSED LAND SURVEYOR
Armando D. DuPont
L.S. 7780
Exp. 12-31-15
STATE OF CALIFORNIA

Legend

	MONITORING WELL
	CONCRETE
TOR	TOP OF RIM
TOC	TOP OF CASING
FS	FINISHED SURFACE
NG	NATURAL GROUND
	POWER POLE
	WATER METER
	SEWER MANHOLE



DATE OF SURVEY

AUGUST 27, 2014

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
1	9/5/14	ADDITIONAL WELLS	SM

CALVADA SURVEYING, INC.
411 Jenks Cir., Suite 205, Corona, CA 92880
Phone: 951-280-9960 Fax: 951-280-9746
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JOB NO. 13496

SUBMITTAL DATE: 08/06/13_GBM

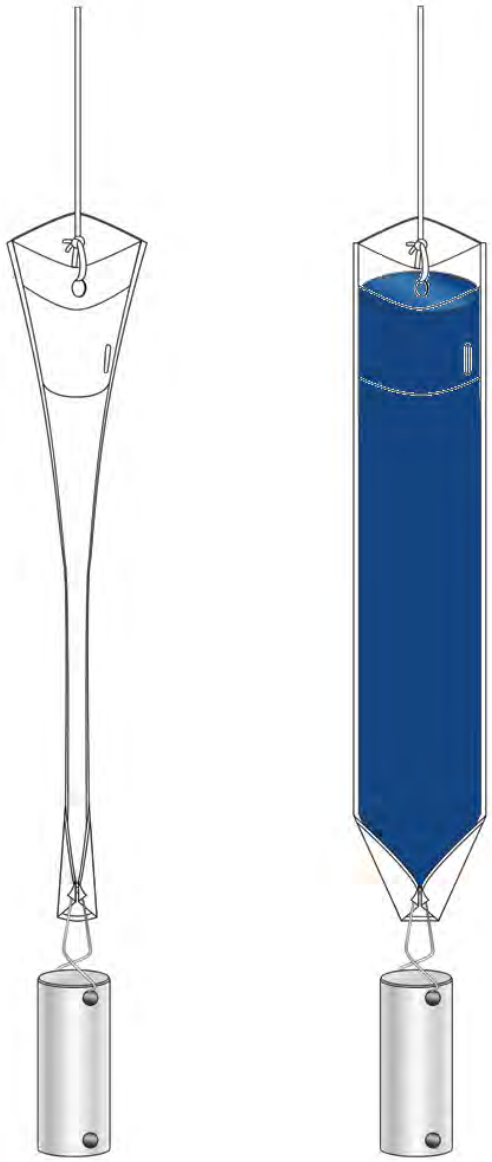
SHEET 1 OF 1

Appendix E
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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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.

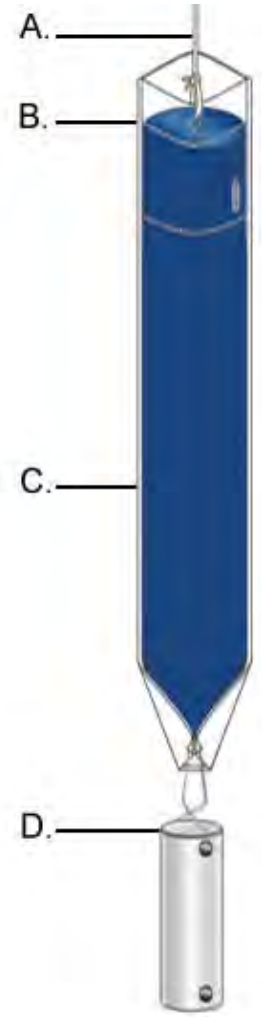

Figure 1. HydraSleeve components.

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.

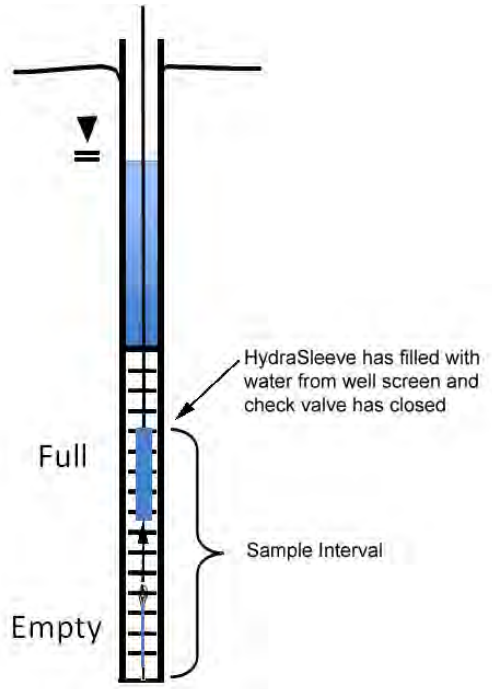

Figure 2. Correct placement of HydraSleeve.

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.

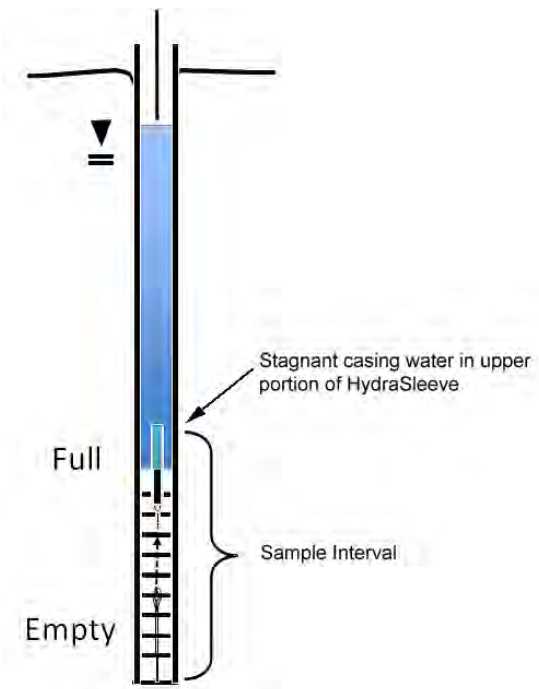

Figure 3. Incorrect placement of HydraSleeve.

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

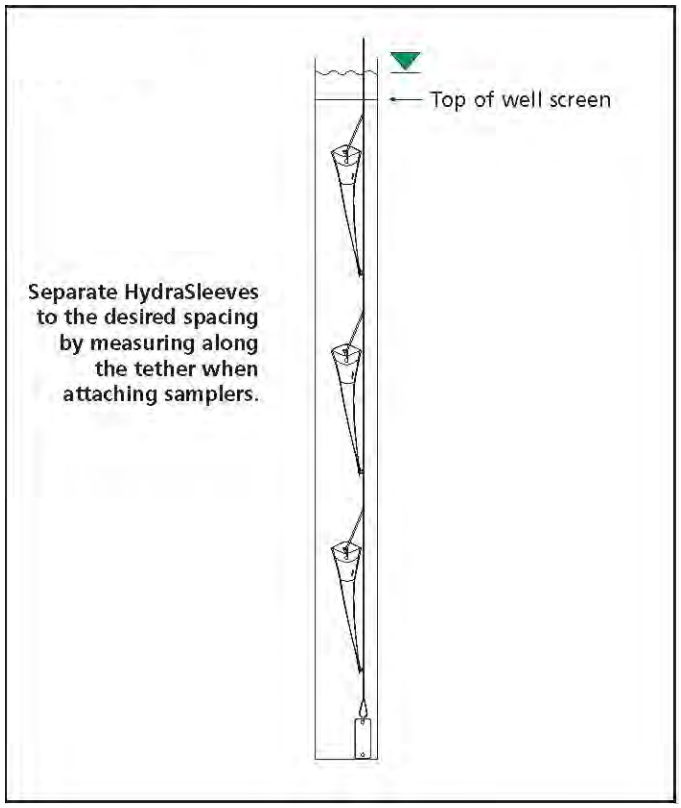

Figure 4. Multiple HydraSleeve deployment.

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).

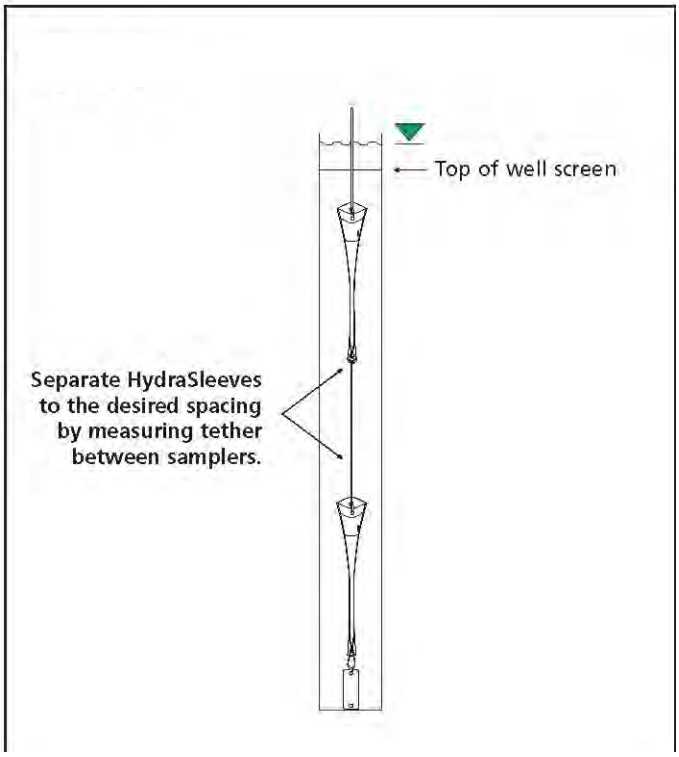

Figure 5. Alternative method for deploying multiple HydraSleeves.

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.

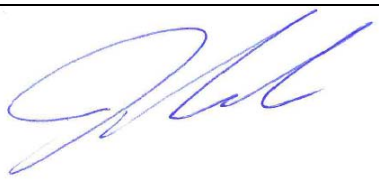
- Once the tool has been retrieved at the surface, the sample will be immediately decanted to the appropriately cold laboratory prepared containers. The first portion of the sample drawn from each depth interval will be used to measure field parameters (temperature, pH, EC, DO, and turbidity). All measurements (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 F
Well Data Log Sheets

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW10
DATE: 6-10-14
LOCATION: 311 E. Cornell Dr, Rialto
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EM52503
PROJECT Ensafe @ UTC Rialto
OPERATOR(S) AW
ATM. PRESSURE (Patm): (start) 13.93 (finish) 13.96
23.10°C 20.90°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	756	203.73	201.46	203.73	20.80				0942
e	743	741	197.24	194.23	197.24	20.79	415.95	327.05	743	0943
SQC	728	726	190.70	188.02	190.70	20.81				0947
LQC	618	616	142.98	140.27	142.97	20.44				0950
d	603	601	136.49	133.81	136.49	20.24	276.56	326.44	603	0951
SQC	588	586	129.94	127.32	129.94	19.72				0952
LQC	558	556	116.82	114.38	116.82	19.36				0954
c	543	542	110.40	107.88	110.39	19.23	216.74	326.26	543	0955
SQC	528	526	103.86	101.66	103.86	19.13				0956
LQC	473	471	79.94	77.77	79.95	18.99				0957
b	458	456	73.46	71.28	73.46	18.86	132.21	325.69	458	0958
SQC	443	441	66.99	64.99	66.99	18.74				0959
LQC	373	371	36.49	34.47	36.49	18.58				1000

Comments: Collar detect is 2' below sample port

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW10
DATE: 6-10-14
LOCATION: 311 E. Cornell Dr, Rialto
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2503
PROJECT Ensafe @ UTC Rialto
OPERATOR(S) AW
ATM. PRESSURE (Patm): (start) 13.93 (finish) 13.96
23.10 20.90°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	358	356	29.96	28.06	29.96	18.44	32.60	325.40	358	1002
SQC	343	341	23.41	21.56	23.41	18.40				1003

Comments: Collar detect is 2' below sample port

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW10
SAMPLING DATE(S) 6-10-14
LOCATION: 311 E. Cornell Dr, Rialto
WATER LEVEL INSIDE CASING: 324.04'
ATM. PRESSURE (PSI): (Start) 13.93 (Finish) 13.96
23.10°C 20.90°C

PROBE TYPE Sampler 0-500psi
SERIAL NO. EMS2503
PROJECT: Ensafe @ UTC Rialto
OPERATOR(S) AZ
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	1	✓	✓	✓	✓	✓	197.24	✓	194.23	✓	194.23	✓	197.24	21.6	3209	8.48	79	—	1010	PW10G74S
d	1	✓	✓	✓	✓	✓	136.44	✓	133.81	✓	133.81	✓	136.44	22.6	2589	8.79	41	—	1040	PW10G60S
c	1	✓	✓	✓	✓	✓	110.32	✓	107.89	✓	107.89	✓	110.32	22.4	2665	8.57	53.4	—	1105	PW10G54S
b	1	✓	✓	✓	✓	✓	73.34	✓	71.27	✓	71.28	✓	73.37	23.0	396.4	7.55	77	—	1135	PW10G46S
a	1	✓	✓	✓	✓	✓	29.87	✓	28.06	✓	28.08	✓	29.86	22.8	496.3	8.00	33	—	1200	PW10G36S

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW11
DATE: 6-9-14
LOCATION: 365 N. Eucalyptus Ave, Rialto
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2503
PROJECT Ensafe @ UTC Rialto
OPERATOR(S) tw
ATM. PRESSURE (Patm): (start) 13.97 (finish) 13.96
31.64°C 19.36°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	760	218.68	214.31	218.68	24.13				1228
e	748	745	212.16	210.20	212.16	23.19	452.70	295.30	748	1229
SQC	733	730	205.66	203.77	205.66	22.74				1231
LQC	708	705	194.81	192.81	194.81	22.46				1233
d	693	690	188.30	186.47	188.30	22.14	397.96	295.04	693	1234
SQC	678	675	181.76	180.27	181.76	21.93				1235
LQC	573	570	136.14	134.78	136.14	21.34				1237
c	558	555	129.62	128.21	129.62	21.04	263.55	294.45	558	1238
SQC	543	540	123.14	121.90	123.14	20.69				1239
LQC	463	460	88.30	87.41	88.31	20.24				1241
b	448	445	81.77	80.43	81.77	19.97	153.32	294.68	448	1242
SQC	433	430	75.26	74.21	75.26	19.73				1243
LQC	368	365	46.96	45.86	46.96	19.34				1245

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW 11
DATE: 6-9-14
LOCATION: 365 N. Eucalyptus Ave, Rialto
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2503
PROJECT Ensafe @ UTC Rialto
OPERATOR(S) AW
ATM. PRESSURE (Patm): (start) 13.97 (finish) 13.96
31.64°C 19.36°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	350	40.44	39.31	40.44	19.14	58.46	294.54	353	1246
SQ	338	335	33.92	31.80	33.92	18.94				1247

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW11
SAMPLING DATE(S) 6-9-14 6-10-14
LOCATION: 365 N. Eucalyptus Ave, Rialto
WATER LEVEL INSIDE CASING: 293.06
ATM. PRESSURE (PSI): (Start) 13.97 (Finish) 13.96
31.64°C 19.36°C

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2503
PROJECT: Ensafe @ UTC Rialto
OPERATOR(S) AJ
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	✓	✓	✓	✓	✓	212.16	✓	210.20	✓	210.19	✓	212.16	25.7	250.8	8.79	48	—	1255	PW11G750
d	1	✓	✓	✓	✓	✓	189.14	✓	186.47	✓	186.47	✓	189.17	25.9	351.9	7.88	116	—	1330	PW11G695
	2	✓	✓	✓	✓	✓	188.14	✓	186.48	✓	186.49	✓	188.13							
c	1	✓	✓	✓	✓	✓	129.40	✓	128.14	✓	128.14	✓	129.41	20.9	274.5	8.55	256	—	0755	PW11G560
b	1	✓	✓	✓	✓	✓	81.57	✓	80.37	✓	80.37	✓	81.56	21.6	298.3	8.61	132	—	0820	PW11G450
a	1	✓	✓	✓	✓	✓	40.20	✓	39.23	✓	39.24	✓	40.21	21.7	461.6	8.39	83	—	0850	PW11G355

Comments: MS/MSD @ Port d EB1060914 1400 (Equipment Blank)

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-12
DATE: 6-9-14
LOCATION: 409 E. Foothill, Rialto (In Alley By BOA) ~~Rialto~~
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2503
PROJECT Ensafe @ UTC Rialto
OPERATOR(S) AW
ATM. PRESSURE (Patm): (start) 13.97 (finish) 13.96
24.47°C 20.72°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	738	205.17	202.56	205.17	22.05				0837
e	723	723	198.66	195.46	198.66	21.66	418.70	304.30	723	0839
SQC	708	708	192.12	189.37	192.12	21.37				0840
LQC	568	568	131.43	128.96	131.43	21.02				0842
d	553	553	124.79	121.79	124.79	20.69	248.74	304.26	553	0843
SQC	538	538	118.22	115.56	118.22	20.47				0844
LQC	513	513	107.38	104.52	107.38	20.19				0845
c	498	498	100.86	97.91	100.86	19.98	193.56	304.35	498	0846
SQC	483	483	94.34	91.63	94.34	19.81				0847
LQC	408	408	61.77	59.13	61.77	19.49				0848
b	393	393	55.23	52.51	55.24	19.31	88.91	304.09	393	0849
SQC	378	378	48.68	46.11	48.68	19.13				0850
LQC	348	348	35.63	33.02	35.63	19.00				0851

Comments: Collar detect is 2' below sample port

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW12
DATE: 6-9-4
LOCATION: 409 E. Foothill Blvd, Rialto (In Alley By BOA)
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2503
PROJECT Ensafe @ UTC Rialto
OPERATOR(S) AW
ATM. PRESSURE (Patm): (start) 13.97 (finish) 13.96
24.47°C 20.72°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	333	29.11	26.56	29.11	18.84	29.05	303.95	333	0852
SQC	318	318	22.57	20.12	22.57	18.78				0853

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-12
SAMPLING DATE(S) 6-9-14
LOCATION: 409 E. Foothill Blvd, Rialto (In Alley by BOA)
WATER LEVEL INSIDE CASING: 302.07
ATM. PRESSURE (PSI): (Start) 13.97 (Finish) 13.96
24.47°C 26.72°C

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS 2503
PROJECT: Ensafe @ UTC Rialto
OPERATOR(S) AW
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	✓	✓	✓	✓	✓	198.66	✓	195.46	✓	195.46	✓	198.66	20.9	326.9	8.69	249	—	0900	PW126725
d	1	✓	✓	✓	✓	✓	124.78	✓	121.78	✓	121.77	✓	124.78	22.3	282.5	8.44	116	—	0915	PW126555
c	1	✓	✓	✓	✓	✓	100.83	✓	97.90	✓	97.91	✓	100.83	22.7	288.1	8.39	138	—	0940	PW126500
b	1	✓	✓	✓	✓	✓	55.13	✓	52.49	✓	52.48	✓	55.14	23.9	386.4	8.24	99	—	1010	PW126395
a	1	✓	✓	✓	✓	✓	30.01	✓	26.56	✓	26.57	✓	30.01	23.4	509.9	7.86	50	—	1035	PW126345

Comments: DUP @ Port a PW12H345
1035

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME Ensafe @ UTC Rialto				PROJECT NUMBER 140609-tw1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
Ultrameter II	6220413	06-09-14 0837	PH7 PH4	7.19 4.25	Yes	22.6 °C	AR
			PH 10 Cond.	10.14 3894	Yes		
HACH 2100P Turb.	060600017559	06-09-14 0837	0 10 100	2 10 103	Yes		AR
Ultrameter II	6220413	06-10-14 0726	PH7 PH4	6.73 4.40	Yes		
			PH10 Cond.	10.75 3904	Yes	22.5 °C	AR
HACH 2100P Turb.	060600017559	06-10-14 0730	0 10 100	0 10 101	Yes		AR

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-13
SAMPLING DATE(S) 9-17-14
LOCATION: 2751 W. Mill St, Rialto
WATER LEVEL INSIDE CASING: 260.92'
ATM. PRESSURE (PSI): (Start) 14.12 (Finish) 14.06
32.89°C 23.76°C

PROBE TYPE Sampler 0-500 psi
SERIAL NO. E115
PROJECT: UTC Rialto
OPERATOR(S) AW
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	✓	✓	✓	✓	✓	161.82	✓	163.29	✓	163.31	✓	161.84	24.9	271	9.01	162	—	1035	PW13G615
D	1	✓	✓	✓	✓	✓	127.28	✓	127.21	✓	127.22	✓	127.29	25.3	292	8.90	269	—	1105	PW13G525
C	1	✓	✓	✓	✓	✓	105.62	✓	105.60	✓	105.63	✓	105.62	27.7	210	9.50	109	—	1135	PW13G475
B	1	✓	✓	✓	✓	✓	71.11	✓	71.10	✓	71.12	✓	71.12	27.2	261	9.57	189	—	1225	PW13G395
A	1	✓	✓	✓	✓	✓	47.32	✓	47.32	✓	47.34	✓	47.34	28.3	453	9.03	20	—	1310	PW13G340

Comments: DUP @ Port A PW13H340

p 1 of 2

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-13

DATE: 9-17-14

LOCATION:

ELEV. TOP OF WASTBAY CASING ~~1150.51~~ 1150.11

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS

PROJECT UTC Rialto

OPERATOR(S) AW

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

32.89°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	617	617	168.24	169.74	168.26	21.86				1010
E	602	602	161.82	163.29	161.84	20.67	344.14	257.86	602	1012
SQC	587	587	155.36	156.38	155.36	20.51				1017
LQC	537	537	133.78	134.91	133.78	20.26				1018
D	522	522	127.31	127.24	127.31	20.04	260.97	261.03	522	1019
SQC	507	507	120.83	120.50	120.83	19.87				1020
LQC	487	487	112.16	112.07	112.17	19.66				1021
C	472	472	105.68	105.62	105.68	19.47	211.09	260.91	472	1022
SQC	457	457	99.18	98.43	99.18	19.32				1023
LQC	407	407	77.54	77.54	77.56	19.07				1024
B	392	392	71.09	71.05	71.09	18.79	131.34	260.66	329	1025
SQC	377	377	64.62	64.56	64.62	18.66				1027
LQC	352	352	53.80	53.70	53.80	18.50				1028

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-13
DATE: 9-17-14
LOCATION:
ELEV. TOP OF WASTBAY CASING 1150.11
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS
PROJECT UTC Rialto
OPERATOR(S) AW
ATM. PRESSURE (Patm): (start) 14.12 (finish) 32.89-2

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	337	337	47.26	47.28	47.26	18.34	7650	260.50	337	1029
SQC	322	322	40.81	41.51	40.81	18.26				1030

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-14
SAMPLING DATE(S) 9-18-14
LOCATION: 2626 W. Mill Rd, Rialto
WATER LEVEL INSIDE CASING: 291.51
ATM. PRESSURE (PSI): (Start) 14.16 (Finish) 14.14
26.61°C 20.94°C

PROBE TYPE Samplers 0-500 psi
SERIAL NO. EMS
PROJECT: UTC Rialto
OPERATOR(S) KW
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	✓	✓	✓	✓	✓	148.79	✓	153.82	✓	153.83	✓	148.80	21.8	247	8.76	31	—	0905	PW14G605
D	1	✓	✓	✓	✓	✓	114.19	✓	116.02	✓	116.03	✓	114.22	21.6	277	8.33	27	—	0925	PW14G525
C	1	✓	✓	✓	✓	✓	70.87	✓	72.68	✓	72.68	✓	70.88	22.0	397	8.10	12	—	0955	PW14G425
B	1	✓	✓	✓	✓	✓	44.91	✓	44.91	✓	44.93	✓	44.93	22.0	410	8.39	22	—	1025	PW14G365
A	1	✓	✓	✓	✓	✓	16.73	✓	15.64	✓	15.54	✓	16.74	22.7	353	9.13	4	—	1100	PW14G300
	2	✓	✓	✓	✓	✓	16.71	✓	15.48	✓	15.40	✓	16.71							

Comments: MS/MSD @ Port A

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-14

DATE: 9-18-14

LOCATION: 2626 W Mill Rd, Rialto

ELEV. TOP OF WASTBAY CASING ~~1170.16~~ 1169.78

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS

PROJECT UTC Rialto

OPERATOR(S) AN

ATM. PRESSURE (Patm): (start) 14.16 (finish) 14.14

26.01°C 20.94°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	617	617	~~14~~ 155.29	160.48	155.29	20.20				1134
E	602	602	148.79	153.82	148.80	20.31	322.20	279.80	602	0833
SQC	587	587	142.30	145.77	142.30	20.22				0839
LQC	537	537	120.70	122.51	120.70	20.04				0840
D	522	522	114.20	116.02	114.20	19.89	234.99	287.01	522	0841
SQC	507	507	107.71	109.50	107.71	19.70				0842
LQC	437	437	77.43	79.14	77.43	19.30				0843
C	422	422	70.92	72.64	70.92	19.09	134.91	287.09	~~522~~ 422	0844
SQC	407	407	64.43	64.83	64.43	18.90				0846
LQC	377	377	51.43	51.43	51.43	18.68				0847
B	362	362	44.94	44.92	44.94	18.52	70.96	291.04	362	0848
SQC	347	347	38.43	37.01	38.43	18.44				0849
LQC	312	312	23.27	22.10	23.27	18.38				0850

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-14
DATE: 9-18-14
LOCATION: 26226 W. Mill Rd Rialto
ELEV. TOP OF WASTBAY CASING 1169.78
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS
PROJECT UTC Rialto
OPERATOR(S) AW
ATM. PRESSURE (Patm): (start) 14.16 (finish) 14.14
26.01°C 20.99°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	297	297	16.76	15.70	18 16.76	18.39	3.55	293.45	297	0851
SQC	282	283	14.33	13.14	18 14.33	18.48				0853

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: EPA-MP7
SAMPLING DATE(S) 9-17-14
LOCATION: N. Pepper Ave (between Foothill + Spruce)
WATER LEVEL INSIDE CASING: 290.21
ATM. PRESSURE (PSI): (Start) 14.09 (Finish) 14.06
22.29°C 19.87°C

PROBE TYPE Sampler 0-500psi
SERIAL NO. EMS
PROJECT: UTC Rialto
OPERATOR(S) MW
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	1	✓	✓	✓	✓	✓	195.87	✓	188.87	✓	188.90	✓	195.87	24.2	362	8.42	2	—	0845	MP7G701
C	1	✓	✓	✓	✓	✓	107.96	✓	100.89	✓	100.91	✓	107.97	23.7	332	8.72	2	—	0910	MP7G503

Comments:

WELL MONITORING DATA SHEET

Project #: 140917-AW1	Client: Ensafe
Sampler: AW	Date: 9-17-14
Well I.D.: 15/5W-13B	Well Diameter: 2 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 284.62
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	Hydrasleeve	to 425' @ 0712			
0720	21.0	6.64	400	5	—	

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Date: 9-18-14 Sampling Time: 0720 Depth to Water: 284.62

Sample I.D.: SW13B6430 Laboratory: Kiff CalScience Other_____

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

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

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME	Ensafe @ UTC Rialto			PROJECT NUMBER	140917-tw1		
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
Ultrameter II	6220413	09/17/14 0826	7 10 pH 4	7.00 9.99 4.00	✓ ✓ ✓	30.6 °C	KH
↓	↓		3900 us/cm	3897	✓	30.6 °C	KH
↓	↓	09/18/14 0717	↓	6.99 10.01 4.00	✓ ✓ ✓	25.8 °C	KH
			↓	3902	✓	26.2 °C	KH

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: CPW-16
SAMPLING DATE(S) 8-21-14
LOCATION: 2893 W. Rialto Ave, Rialto
WATER LEVEL INSIDE CASING: 253.74'
ATM. PRESSURE (PSI): (Start) 14.16 (Finish) 14.13
24.04°C 20.82°C

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2655
PROJECT: UTC Rialto
OPERATOR(S) AJ
WEATHER Clear

Port Number	Run Number	Probe to Top Collar: Arm out / Land Probe	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port): Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Sample Collection Checks (probe at sampling port in MP casing): Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Field Parameters: Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm)	Sample: Sample Time	Sample ID
g	1	✓	✓	✓	✓	✓	233.76	✓	220.71	✓	220.72	✓	233.77	20.7	267	8.67	1	—	1000	CPW16G753
f	1	✓	✓	✓	✓	✓	218.44	✓	205.33	✓	205.32	✓	218.39	21.8	283	8.66	1	—	1030	CPW16G718
e	1	✓	✓	✓	✓	✓	183.52	✓	171.84	✓	171.83	✓	183.54	22.3	359	7.93	1	—	1105	CPW16G638
d	1	✓	✓	✓	✓	✓	129.04	✓	117.62	✓	117.69	✓	129.06	22.4	237	8.48	1	—	1140	CPW16G513
c	1	✓	✓	✓	✓	✓	87.93	✓	76.21	✓	76.41	✓	88.13	25.8	450	7.76	1	—	1245	CPW16G417
b	1	✓	✓	✓	✓	✓	70.05	✓	59.69	✓	59.76	✓	70.07	23.8	490	7.71	1	—	1315	CPW16G378
a	1	✓	✓	✓	✓	✓	33.82	✓	24.06	✓	24.14	✓	33.90	22.6	624	7.63	1	—	1340	CPW16G295

Comments: DUP @ Port C CPW16H417

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: CPW-16
DATE: 8-21-14
LOCATION: 2893 W. Rialto Ave, Rialto
ELEV. TOP OF WASTBAY CASING 1180
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2655
PROJECT UTC Rialto
OPERATOR(S) [illegible]
ATM. PRESSURE (Patm): (start) 14.16 (finish)
24.04 °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	402	402	80.90	73.19	80.90	18.92				0950
LQC	393	393	76.96	70.42	76.96	18.77				0952
b	378	378	70.34	59.84	70.34	18.68	105.59	272.41	378	0953
SQC	363	363	63.79	53.22	63.79	18.56				0954
LQC	310	310	40.74	32.10	40.74	18.44				0955
a	295	295	34.19	24.21	34.19	18.36	23.39	271.61	295	0956
SQC	280	280	27.64	22.40	27.64	18.33				0956

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: CPW-16
DATE: 8-21-14
LOCATION: 2893 W. Rialto Ave, Rialto
ELEV. TOP OF WASTBAY CASING 1180
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2655
PROJECT UTC Rialto
OPERATOR(S) AW
ATM. PRESSURE (Patm): (start) 14.16 (finish)
24.04°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	768	240.26	228.97	240.26	21.32				0934
q	753	753	233.76	220.71	233.76	21.52	476.51	276.49	753	0935
LQC	733	733	224.99	~~212.81~~ 214.98	224.99	21.50				0936
f	718	718	218.47	205.33	218.47	21.52	441.03	276.97	718	0937
SQC	703	703	212.02	201.48	212.02	21.48				0938
LQC	653	653	190.21	181.76	190.19	21.14				0940
e	638	638	183.66	171.86	183.66	21.01	363.81	274.19	638	0941
SQC	623	623	177.21	167.60	177.21	20.86				0942
LQC	528	528	135.83	126.38	135.83	20.41				0944
d	513	513	129.33	117.81	129.33	20.14	239.12	273.88	513	0946
SQC	498	498	122.76	114.19	122.76	19.92				0947
LQC	432	432	93.94	84.91	93.94	19.50				0949
c	417	417	87.40	76.53	87.41	19.26	143.89	273.11	417	0949

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: CPW-17
SAMPLING DATE(S) 8-13-14
LOCATION: 6006 S. Macy St,
WATER LEVEL INSIDE CASING: 241.11'
ATM. PRESSURE (PSI): (Start) 14.21 (Finish) 14.19
26.51°C 22.22°C

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2655
PROJECT: UTC Rialto
OPERATOR(S) MW
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
g	1	✓	✓	✓	✓	✓	221.08	✓	211.51	✓	211.51	✓	221.08	21.3	265	8.80	2	—	0945	CPW17G712
f	1	✓	✓	✓	✓	✓	177.36	✓	165.33	✓	165.29	✓	177.39	21.7	274	8.09	1	—	1005	CPW17G612
e	1	✓	✓	✓	✓	✓	156.92	✓	145.56	✓	145.56	✓	156.92	23.2	292	8.17	1	—	1040	CPW17G563
d	1	✓	✓	✓	✓	✓	129.84	✓	119.61	✓	119.61	✓	129.86	22.9	322	8.05	1	—	1110	CPW17G503
c	1	✓	✓	✓	✓	✓	90.49	✓	79.81	✓	79.84	✓	90.49	23.3	277	8.45	1	—	1135	CPW17G413
b	1	✓	✓	✓	✓	✓	46.91	✓	36.22	✓	36.24	✓	46.92	22.9	380	8.21	2	—	1155	CPW17G313
a	1	✓	✓	✓	✓	✓	16.32	✓	14.27	✓	14.28	✓	16.31	Port is dry.				No	Sample Collected	

Comments: DUP @ Port e = CPW17~~H563~~ H563
1040

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: CPW-17
DATE: 8-13-14
LOCATION: 606 S. Macy st.
ELEV. TOP OF WASTBAY CASING 1135
WEATHER: Clear

PROBE TYPE Sampler @ 500 psi
SERIAL NO. EMS2655
PROJECT ~~Ew~~ UTC Rialto
OPERATOR(S) AW
ATM. PRESSURE (Patm): (start) 14.21 (finish) 26.51

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	727	727	227.69	218.54	227.69	22.42				0907
g	712	712	221.08	211.51	221.08	22.36	455.17	256.83	712	0908
SQC	697	697	214.60	211.60	214.60	22.33				0917
LQC	627	627	184.16	178.78	184.16	22.34				0919
f	612	612	177.60	165.28	177.60	21.19	348.52	263.48	612	0920
SQC	597	597	171.06	167.32	171.06	22.01				0921
LQC	578	578	162.88	158.71	162.88	21.72				0922
e	563	563	156.21	145.58	156.21	21.51	303.07	259.93	563	0923
SQC	548	548	149.72	144.77	149.72	21.37				0924
LQC	518	518	136.68	127.86	136.68	20.99				0926
d	503	503	130.08	119.66	130.08	20.88	243.27	259.73	503	0927
SQC	488	488	123.53	120.13	123.53	20.72				0928
LQC	428	428	97.07	87.17	97.07	20.60				0929

Comments: g SQC not stable on outside reading (also e SQC, d LQC, d SQC)

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: CPW-17
DATE: 8-13-14
LOCATION: 606 S. Macy St
ELEV. TOP OF WASTBAY CASING 113.5
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2655
PROJECT UTC Rialto
OPERATOR(S) AW
ATM. PRESSURE (Patm): (start) 14.21 (finish) 26.51 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	413	90.87	79.83	90.87	20.44	151.39	261.61	413	0931
SQC	398	398	84.28	79.60	84.28	20.22				0932
LQC	328	328	53.71	47.84	53.71	19.94				0934
b	313	313	47.18	36.27	47.18	19.81	50.89	262.11	313	0935
SQC	298	298	40.60	38.04	40.60	19.64				0936
LQC	258	258	23.12	15.82	23.12	19.47				0937
a	243	243	16.60	14.29	16.60	19.42	0.18	242.82	243	0938
SQC	228	228	14.33	13.91	14.33	19.42				0939

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: EPA-MP1
SAMPLING DATE(S) 8-11-14
LOCATION: Foothill + Acacia, Behind Stater Bros.
WATER LEVEL INSIDE CASING: 199.82
ATM. PRESSURE (PSI): (Start) 14.16 (Finish) 14.16
25.68°C 21.24°C

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2655
PROJECT: UTC Rialto
OPERATOR(S) AW
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	✓	✓	✓	✓	✓	276.28	✓	233.94	✓	233.94	✓	276.28	25.1	335	9.36	7	—	0934	MPIG797
d	1	✓	✓	✓	✓	✓	247.94	✓	201.74	✓	201.74	✓	247.92	23.3	377	7.76	4	—	1010	MPIG732
c	1	✓	✓	✓	✓	✓	173.53	✓	128.80	✓	128.79	✓	173.53	23.0	318	7.98	2	—	1048	MPIG562
b	1	✓	✓	✓	✓	✓	129.97	✓	85.42	✓	85.44	✓	129.96	22.6	326	7.96	2	—	1115	MPIG462
a	1	✓	✓	✓	✓	✓	88.31	✓	43.94	✓	43.94	✓	88.29	21.8	284	8.14	2	—	1140	MPIG366

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP1

DATE: 8-11-14

LOCATION: Foothill + Acacia. Behind stater bros. Rialto

ELEV. TOP OF WASTBAY CASING 1220

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2655

PROJECT UTC Rialto

OPERATOR(S) AW

ATM. PRESSURE (Patm): (start) 14.16 25.68 °C (finish) 14.16 21.24 °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	797	796	276.28	233.94	276.28	21.38	507.03	289.97	797	0905
SQC	782	781	269.78	233.93	269.78	21.36				0906
d	732	731	247.96	201.77	247.96	21.08	432.82	299.18	732	0910
LQC	747	746	254.48	222.37	254.48	21.24				0908
SQC	717	716	241.40	219.03	241.40	20.93				0911
c	562	562	173.92	128.73	173.92	19.84	264.31	297.69	562	0916
LQC	577	576	180.49	146.60	180.49	20.29				0914
SQC	547	546	167.40	136.72	167.40	19.53				0918
b	462	461	130.36	85.46	130.34	18.72	164.49	297.51	462	0922
LQC	477	476	136.94	98.68	136.94	19.07				0921
SQC	447	447	123.86	99.30	123.86	18.53				0923
a	366	366	88.61	43.97	88.62	18.27	68.77	297.23	366	0927
LQC	381	381	94.93	54.40	94.93	18.34				0926

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP1
DATE: 8-11-14
LOCATION: Foothill + Acacia, Behind Stater Bros, Rialto
ELEV. TOP OF WASTBAY CASING 1226
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS 2655
PROJECT UTC Rialto
OPERATOR(S) tw
ATM. PRESSURE (Patm): (start) 14.16 (finish) 14.16
25.68°C 21.24°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	351	351	82.10	82.84	82.10	18.13				0929

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: EPA-MP2
SAMPLING DATE(S) 8-18-14 8-19-14
LOCATION: 464 Willow, Rialto
WATER LEVEL INSIDE CASING: 132.20'
ATM. PRESSURE (PSI): (Start) 14.04 (Finish) 14.06
31.49°C 23.71°C

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2655
PROJECT: UTC Rialto
OPERATOR(S) KW
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
f	1	✓	✓	✓	✓	✓	291.49	✓	212.66	✓	212.60	✓	291.49	23.3	547	9.51	9	—	1200	MP2G764
e	1	✓	✓	✓	✓	✓	269.36	✓	184.27	✓	184.31	✓	269.38	24.7	341	8.02	6	—	1310	MP2G714
d	1	✓	✓	✓	✓	✓	226.01	✓	141.11	✓	141.14	✓	226.00	23.3	264	8.30	3	—	1335	MP2G614
c	1	✓	✓	✓	✓	✓	180.24	✓	96.02	✓	96.04	✓	180.23	21.1	342	7.39	1	—	0750	MP2G510
b	1	✓	✓	✓	✓	✓	136.74	✓	52.84	✓	52.84	✓	136.74	21.1	494	7.69	1	—	0815	MP2G410
a	1	✓	✓	✓	✓	✓	110.62	✓	26.90	✓	26.92	✓	110.64	20.5	489	7.82	1	—	0850	MP2G350

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP2
DATE: 8-18-14
LOCATION: 464 Willow, Rialto
ELEV. TOP OF WASTBAY CASING 1269
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2655
PROJECT UTC Rialto
OPERATOR(S) AW
ATM. PRESSURE (Patm): (start) 14.04 (finish) 14.06
31.49°C 23.71°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	763	291.49	212.66	291.49	21.13	458.22	305.78	764	1137
SQC	749	748	284.99	206.41	284.99	21.12				1141
LQC	729	728	276.41	205.46	276.41	21.02				1142
e	714	713	269.84	184.22	269.84	20.91	392.61	321.39	714	1143
SQC	699	698	263.33	186.60	263.33	20.79				1144
LQC	629	628	233.03	155.43	233.03	20.49				1146
d	614	614	226.49	140.98	226.49	20.28	292.85	321.15	614	1147
SQC	599	599	219.91	148.00	219.91	20.07				1148
LQC	525	524	187.86	110.34	187.86	19.41				1150
c	510	509	180.72	96.12	180.72	19.23	189.36	320.64	510	1152
SQC	495	495	174.02	98.96	174.02	19.11				1153
LQC	425	425	143.60	71.48	143.60	18.87				1155
b	410	410	137.00	52.91	137.01	18.74	89.67	320.33	410	1156

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP2
DATE: 8-18-14
LOCATION: 464 ~~Rialto~~ Willow, Rialto
ELEV. TOP OF WASTBAY CASING 12.69
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2655
PROJECT UTC Rialto
OPERATOR(S) KW
ATM. PRESSURE (Patm): (start) 14.04 (finish) 14.06
31.49°C 23.71°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	395	395	130.57	56.22	130.57	18.73				1157
LQC	365	365	117.39	46.33	117.39	18.43				1159
9	350	350	110.91	26.94	110.90	18.37	29.76	320.24	350	1200
SQC	335	334	104.69	62.02	104.69	18.30				1201

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: EPA-MP3
SAMPLING DATE(S) 8-22-14
LOCATION: Alice Ave + Virginia Dr, Rialto
WATER LEVEL INSIDE CASING:
ATM. PRESSURE (PSI): (Start) 14.08 (Finish) 14.06
24.24°C 18.92°C

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS21655
PROJECT: UTC Rialto
OPERATOR(S) AW
WEATHER Clear

Port Number	Run Number	Probe to Top Collar: Arm out / Land Probe	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port): Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Sample Collection Checks (probe at sampling port in MP casing): Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Field Parameters: Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm)	Sample: Sample Time	Sample ID
e	1	✓	✓	✓	✓	✓	236.08	✓	226.66	✓	226.67	✓	236.09	20.4	266	8.20	1	—	0745	MP3G899
d	1	✓	✓	✓	✓	✓	199.21	✓	189.96	✓	189.97	✓	199.22	20.3	279	8.25	1	—	0815	MP3G814
c	1	✓	✓	✓	✓	✓	143.89	✓	135.34	✓	135.37	✓	143.84	20.3	378	7.79	1	—	0850	MP3G87
b	1	✓	✓	✓	✓	✓	102.47	✓	94.31	✓	94.33	✓	102.47	20.9	501	7.79	1	—	0925	MP3G592
a	1	✓	✓	✓	✓	✓	44.56	✓	35.90	✓	35.92	✓	44.61	21.1	649	7.62	1	—	1000	MP3G457
	2	✓	✓	✓	✓	✓	43.61	✓	35.91	✓	35.91	✓	43.60							

Comments: MS/MSD @ Port a

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP3

DATE: 8-22-14

LOCATION: Alice Ave + Virginia Dr, Rialto

ELEV. TOP OF WASTBAY CASING 1363

WEATHER: Clear

PROBE TYPE Samples 0-500 psi

SERIAL NO. EMS2655

PROJECT UTC Rialto

OPERATOR(S) KW

ATM. PRESSURE (Patm): (start) 14.08 (finish) 14.06

24.24°C 18.92°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)				
SBC	442	443	37.14	34.99	37.14	18.16				0739

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP3
DATE: 8-22-14
LOCATION: Alice Ave + Virginia Dr, Rialto
ELEV. TOP OF WASTBAY CASING 1363
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2655
PROJECT UTC Rialto
OPERATOR(S) AW
ATM. PRESSURE (Patm): (start) 14.08 (finish) 14.06
24.24°C 18.92°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	236.08	226.66	236.09	20.08	490.42	408.58	899	0722
SQC	884	884	229.61	221.24	229.61	20.29				0724
~~d~~	829	829	205.74	197.88	205.74	20.16				0725
d	814	814	199.13	189.96	199.13	20.02	405.76	408.24	814	0726
SQC	799	799	192.61	184.33	192.61	19.84				0727
LQC	702	702	150.49	142.78	150.49	19.44				0729
c	687	687	143.83	135.33	143.83	19.21	279.72	407.28	687	0730
SQC	672	672	137.44	129.66	137.44	19.01				0731
LQC	~~702~~ 607	608	109.02	101.73	109.00	18.74				0732
b	592	593	102.47	94.33	102.47	18.64	185.14	406.86	592	0733
SQC	577	578	95.90	88.81	95.90	18.53				0734
LQC	472	~~50~~ 473	50.24	45.07	50.24	18.23				0737
a	457	458	43.61	35.92	43.61	18.20	50.38	406.62	457	0738

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: EPA-MP5
SAMPLING DATE(S) 8-19-14
LOCATION: 500 N. Cactus Rialto
WATER LEVEL INSIDE CASING: ~~318.09~~ ~~308.09~~ 312.39'
ATM. PRESSURE (PSI): (Start) 14.09 (Finish) 14.10
26.70°C 19.49°C

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS 2655
PROJECT: UTC Rialto
OPERATOR(S) AW
WEATHER Clear

Port Number	Run Number	Probe to Top Collar: Arm out / Land Probe	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port): Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Sample Collection Checks (probe at sampling port in MP casing): Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Field Parameters: Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm)	Sample: Sample Time	Sample ID
e	1	✓	✓	✓	✓	✓	210.39	✓	191.09	✓	191.10	✓	202.41	20.7	281	8.78	2	—	1025	MP5G725
d	1	✓	✓	✓	✓	✓	155.49	✓	143.68	✓	143.68	✓	155.52	21.1	231	8.46	1	—	1100	MP5G630
c	1	✓	✓	✓	✓	✓	101.02	✓	91.04	✓	91.06	✓	101.02	20.7	307	8.07	1	—	1135	MP5G507
b	1	✓	✓	✓	✓	✓	59.60	✓	49.89	✓	49.94	✓	59.62	22.0	398	8.22	1	—	1235	MP5G412
a	1	✓	✓	✓	✓	✓	~~29.13~~	✓	26.14	✓	26.17	✓	35.66	20.9	489	7.89	1	—	1305	MP5G ~~342~~ 457
							35.64													

Comments: DUP @ Port d

p 1 of 2

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP5

DATE: 8-19-14

LOCATION: 500 N. Cactus, Rialto

ELEV. TOP OF WASTBAY CASING 1285

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2655

PROJECT UTC Rialto

OPERATOR(S) tw

ATM. PRESSURE (Patm): (start) 14.09 (finish) 14.10

26.70°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	755	~~755~~ 752	~~210.34~~ 208.89	199.89	208.89	20.70				3959
e	740	737	202.46	191.09	202.41	20.81	408.34	331.66	740	1001
SQC	725	722	195.91	187.73	195.91	20.63				1005
LQC	645	643	161.14	151.20	161.14	20.33				1007
d	630	628	154.62	143.69	154.62	20.13	298.99	331.01	630	1007
SQC	615	613	148.06	138.06	148.06	19.94				1008
LQC	522	520	107.64	98.93	107.64	19.52				1010
c	507	505	101.16	91.06	101.14	19.29	177.57	329.43	507	1011
SQC	492	491	94.61	85.33	94.61	19.09				1012
LQC	427	426	61.31	57.60	61.31	18.84				1013
b	412	411	59.76	49.97	59.76	18.72	82.78	329.22	412	1014
SQC	397	396	53.22	43.93	53.22	18.60				1015
LQC	372	371	42.38	33.61	42.38	18.47				10.16

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP5
DATE: 8-19-14
LOCATION: 500 N. Cactus, Rialto
ELEV. TOP OF WASTBAY CASING 1285
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS 2655
PROJECT UTC Rialto
OPERATOR(S) AW
ATM. PRESSURE (Patm): (start) 14.09 (finish) 14.10
26.70°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)				
a	~~342~~ 357	356	35.82	26.17	35.82	18.43	27.81	329.13	357	1017
SQ	342	341	29.31	20.24	29.31	18.36				1017

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: EPA-MP6
SAMPLING DATE(S) 8-22-14
LOCATION: 513 Etiwanda St, Rialto
WATER LEVEL INSIDE CASING: 323.39
ATM. PRESSURE (PSI): (Start) 14.12 (Finish) 14.10
27.19°C 19.90°C

PROBE TYPE Sampler 0-500psi
SERIAL NO. EMS2655
PROJECT: UTC Rialto
OPERATOR(S) AW
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	1	✓	✓	✓	✓	✓	207.28	✓	200.93	✓	200.92	✓	207.28	22.2	297	8.52	1	—	1120	MP6G765
d	1	✓	✓	✓	✓	✓	161.24	✓	155.08	✓	155.13	✓	161.23	23.0	284	8.34	1	—	1155	MP6G659
c	1	✓	✓	✓	✓	✓	124.73	✓	117.94	✓	117.99	✓	124.74	23.6	225	8.66	1	—	1225	MP6G573
b	1	✓	✓	✓	✓	✓	69.78	✓	64.38	✓	64.40	✓	69.78	23.6	531	7.84	2	—	1320	MP6G449
a	1	✓	✓	✓	✓	✓	28.80	✓	23.74	✓	23.78	✓	28.82	22.2	632	7.82	1	—	1345	MP6G355

Comments: DUP @ Port c = MP6G573
H

p 1 of 2

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MPC

DATE: 8-22-14

LOCATION: 513 E. Etiwanda St, Rialto

ELEV. TOP OF WASTBAY CASING 1273

WEATHER: Clear

PROBE TYPE Sampler 0-500psi

SERIAL NO. EMS2655

PROJECT UTC Rialto

OPERATOR(S) AW

ATM. PRESSURE (Patm): (start) 14.12 (finish) 14.13

27.19°C 19.90°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	213.76	208.38	213.76	21.34				1100
e	765	764	207.28	200.93	207.28	21.26	430.97	334.03	765	1101
SQC	750	749	200.76	195.19	200.76	21.10				1103
LQC	674	673	167.74	163.86	167.74	20.78				1104
d	659	658	161.21	155.16	161.21	20.49	325.24	333.76	659	1105
SQC	644	643	154.69	149.74	154.69	20.34				1106
LQC	588	587	130.36	125.68	130.36	19.99				1107
c	573	572	123.78	117.98	123.78	19.60	239.61	333.40	573	1108
SQC	558	557	117.31	113.27	117.30	19.45				1109
LQC	464	464	76.41	73.81	76.38	19.13				1110
b	449	449	69.84	64.44	69.84	18.97	116.09	332.91	449	1111
SQC	434	434	63.36	66.06	63.36	18.84				1112
LQC	370	370	35.48	45.97	35.48	18.64				1113

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP6
DATE: 8-22-14
LOCATION: 513 E. Etiwanda St, Rialto
ELEV. TOP OF WASTBAY CASING 1273'
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2655
PROJECT UTC Rialto
OPERATOR(S) AW
ATM. PRESSURE (Patm): (start) 14.12 (finish) 14.10
27.19°C 19.90°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	355	355	28.97	23.78	29.00	18.58	22.29	332.71	355	1114
SQC	340	340	22.42	23.37	22.42	18.51				1114

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: EPA-MP7
SAMPLING DATE(S) 8-20-14
LOCATION: N. Pepper Ave (N. of Foothill in street) Rialto
WATER LEVEL INSIDE CASING: ~~290~~ 290.26'
ATM. PRESSURE (PSI): (Start) 14.13 (Finish) 14.10
26.81°C 18.87°C

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2655
PROJECT: UTC Rialto
OPERATOR(S) AW
WEATHER Mostly Sunny

Port Number	Run Number	Probe to Top Collar: Arm out / Land Probe	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port): Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Sample Collection Checks (probe at sampling port in MP casing): Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Field Parameters: Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm)	Sample: Sample Time	Sample ID
e	1	✓	✓	✓	✓	✓	196.49	✓	189.01	✓	189.04	✓	196.49	20.7	386	7.37	2	—	0840	MP7G701
d	1	✓	✓	✓	✓	✓	146.42	✓	139.01	✓	139.02	✓	146.43	21.3	324	7.76	1	—	0905	MP7G588
c	1	✓	✓	✓	✓	✓	108.43	✓	101.06	✓	101.10	✓	108.49	20.9	330	7.87	4	—	0935	MP7G503
b	1	✓	✓	✓	✓	✓	80.14	✓	72.10	✓	72.13	✓	80.15	21.0	479	7.83	1	—	1000	MP7G433
a	1	✓	✓	✓	✓	✓	47.49	✓	39.78	✓	39.79	✓	47.48	20.8	624	7.70	2	—	1030	MP7G357
	2	✓	✓	✓	✓	✓	46.48	✓	39.77	✓	39.77	✓	46.47							

Comments: DUP @ Port b MP7G431 1000 MS/MSD @ Port a

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP7
DATE: 8-20-14
LOCATION: N. Pepper Ave, (N of Foothill in street) Rialto
ELEV. TOP OF WASTBAY CASING 1227
WEATHER: Mostly Sunny

PROBE TYPE Sampler 0-500psi
SERIAL NO. EM52655
PROJECT UTC Rialto
OPERATOR(S) AZ
ATM. PRESSURE (Patm): (start) 14.13 (finish) 14.10
26.81°C 18.87°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	716	203.04	198.24	203.04	21.39				0813
e	701	701	196.49	189.01	196.49	21.28	403.45	297.55	701	0814
SQC	686	686	189.98	189.14	189.99	21.22				0818
LQC	603	602	153.21	150.91	153.21	20.87				0819
d	588	587	146.49	139.01	146.49	20.62	288.10	299.90	588	0820
SQC	573	572	139.94	139.12	139.92	20.39				0821
LQC	518	517	115.16	114.10	115.16	20.04				0822
c	503	502	108.53	101.09	108.53	19.79	200.62	302.38	503	0823
SQC	488	487	102.01	100.86	102.01	19.59				0824
LQC	448	446	85.94	82.63	85.94	19.04				0825
b	433	431	79.32	72.12	79.32	18.93	133.78	299.22	433	0828
SQC	418	416	72.74	67.64	72.73	18.86				0829
LQC	372	371	53.17	47.64	53.18	18.67				0830

Comments:

p 2 of 2.

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP7

DATE: 8-20-14

LOCATION: N. Pepper A (N. of Foothill in street) Rialto

ELEV. TOP OF WASTBAY CASING 1227

WEATHER: Mostly Sunny

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2655

PROJECT UTC Rialto

OPERATOR(S) AZ

ATM. PRESSURE (Patm): (start) 14.13 (finish) 14.10

26.81°C 18.87°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	357	356	46.61	39.77	46.61	18.56	59.15	297.85	357	0832
SQC	342	341	40.07	68.24 VU	40.06	18.48				0833

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: EPA-MP8
SAMPLING DATE(S) 8-11-14 + 8-13-14
LOCATION: 1st St (between Date + Olive) Rialto
WATER LEVEL INSIDE CASING: ~~287.8~~ 295.81
ATM. PRESSURE (PSI): (Start) 14.14 (Finish) 14.16
35.29 22.64

PROBE TYPE Sampler 0-500 psi
SERIAL NO.
PROJECT: UTC Rialto
OPERATOR(S) AW
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	✓	✓	✓	✓	✓	201.61	✓	194.71	✓	194.71	✓	201.60	23.7	232	8.56	4	—	1320	MP8G722
d	1	✓	✓	✓	✓	✓	151.57	✓	144.89	✓	144.91	✓	151.56	23.0	199	9.59	2	—	1350	MP8G607
c	1	✓	✓	✓	✓	✓	101.21	✓	97.30	✓	97.30	✓	101.19	22.6	312	8.14	1	—	1325	MP8G492
b	1	✓	✓	✓	✓	✓	59.80	✓	56.27	✓	56.27	✓	59.79	21.7	301	8.22	5	—	1345	MP8G397
a	1	✓	✓	✓	✓	✓	38.62	✓	34.62	✓	34.62	✓	38.00	21.9	215	8.60	4	—	1405	MP8G347

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP8

DATE: 8-11-14

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

ELEV. TOP OF WASTBAY CASING 1221

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2655

PROJECT UTC Rialto

OPERATOR(S) AZ

ATM. PRESSURE (Patm): (start) 14.14 (finish) 14.16

35.29°C 22.64

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	208.11	202.83	208.11	23.63				1300
e	722	721	201.61	194.71	201.60	23.02	416.58	305.43	722	1301
SQC	707	706	194.99	193.63	194.99	22.39				1303
LQC	622	621	158.10	156.78	158.10	21.82				1305
d	607	606	151.60	144.88	151.60	21.38	301.62	305.38	607	1306
SQC	592	591	144.99	144.82	144.99	21.12				1307
LQC	507	507	108.08	104.92	108.08	20.69				1308
c	492	492	101.56	97.44	101.56	20.47	192.17	299.83	492	1309
SQC	477	477	94.92	93.42	94.93	20.27				1310
LQC	412	412	66.60	63.01	66.60	19.95				1311
b	397	397	60.04	56.32	60.04	19.78	97.31	299.69	397	1312
SQC	382	382	53.49	52.77	53.49	19.63				1313
LQC	362	362	44.77	44.09	44.77	19.47				1314

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP8

DATE: 8-11-14

LOCATION: 1st St. (between Olive + Date) Rialto

ELEV. TOP OF WASTBAY CASING 1221

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2655

PROJECT UTC Rialto

OPERATOR(S) AW

ATM. PRESSURE (Patm): (start) 14.14 (finish) 14.16

35.29°C 22.64°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 ~~a~~	347	38.24	34.64	38.22	19.30	47.29	299.71	347	1315
SGC	332 ~~SGC~~	332	31.63	38.91	31.63	19.21				1316

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-9
SAMPLING DATE(S) 8-20-14 8-21-14
LOCATION: 200 W. Etiwanda, Rialto
WATER LEVEL INSIDE CASING: 330.02'
ATM. PRESSURE (PSI): (Start) 14.07 (Finish)
31.76°C

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2655
PROJECT: UTC Rialto
OPERATOR(S) AW
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
g	1	✓	✓	✓	✓	✓	223.23	✓	204.77	✓	204.82	✓	223.23	21.8	384	7.61	2	—	1200	PW9G808
f	1	✓	✓	✓	✓	✓	184.12	✓	165.89	✓	165.89	✓	184.13	21.5	347	7.76	1	—	1230	PW9G718
e	1	✓	✓	✓	✓	✓	153.72	✓	135.77	✓	135.82	✓	153.70	22.0	295	7.66	1	—	1325	PW9G648
d	1	✓	✓	✓	✓	✓	116.72	✓	99.17	✓	99.22	✓	116.76	20.9	269	8.29	2	—	1355	PW9G562
c	1	✓	✓	✓	✓	✓	81.87	✓	65.57	✓	65.59	✓	81.92	19.6	446	7.29	1	—	0755	PW9G482
b	1	✓	✓	✓	✓	✓	51.40	✓	36.96	✓	36.96	✓	51.43	19.8	449	7.61	1	—	0830	PW9G412
a	1	✓	✓	✓	✓	✓	25.20	✓	14.22	✓	14.22	✓	25.18	Port is Dry. No Sample Collected						

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-9
DATE: 8-20-14
LOCATION: 200 W. Etiwanda, Rialto
ELEV. TOP OF WASTBAY CASING 1304
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2655
PROJECT UTC Rialto
OPERATOR(S) AW
ATM. PRESSURE (Patm): (start) 14.07 (finish)
31.76°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	482	82.01	65.71	82.01	18.40	119.13	362.87	482	1150
SQC	467	467	75.63	61.28	75.63	18.28				1151
LQC	427	427	58.21	51.98	58.21	18.14				1153
b	412	412	51.62	36.96	51.62	18.07	52.81	359.19	412	1154
SQC	397	397	45.14	32.06	45.14	18.03				1155
LQC	367	367	32.04	28.47	32.06	17.94				1156
a	352	352	25.54	14.27	25.54	17.91	0.46	351.54	352	1157
SQC	337	337	18.91	21.43	18.91	17.89				1158

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-9
DATE: 8-20-14
LOCATION: 200 W. Ellwanda, Rialto
ELEV. TOP OF WASTBAY CASING 1304
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2655
PROJECT UTC Rialto
OPERATOR(S) tn
ATM. PRESSURE (Patm): (start) 14.07 (finish)
31.76°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	229.67	212.03	229.68	21.70				1134
g	808	805	223.23	204.77	223.23	21.42	439.94	368.06	808	1136
LQC	793	789	~~198.74~~ 216.61	198.74	216.61	21.24				1139
SQC	733	730	190.81	178.84	190.81	20.97				1140
f	718	715	184.18	166.24	184.18	20.68	351.06	366.94	718	1141
SQC	703	701	177.71	160.32	177.71	20.49				1141
LQC	663	661	160.23	143.78	160.23	20.24				1142
e	648	646	153.81	136.37	153.81	20.03	282.15	365.85	648	1143
SQC	633	631	147.33	130.36	147.33	19.86				1144
LQC	577	576	120.91	106.90	120.91	18.91				1146
d	562	561	116.94	99.73	116.94	18.84	197.62	364.38	562	1148
SQC	547	546	110.62	96.17	110.60	18.73				1148
LQC	497	496	88.86	73.78	88.86	18.60				1149

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-10
SAMPLING DATE(S) 8-14-14
LOCATION: 311 E Cornell Dr, Rialto
WATER LEVEL INSIDE CASING: 325.11
ATM. PRESSURE (PSI): (Start) 14.14 (Finish) 14.11
29.07'C 19.26'C

PROBE TYPE Samples 0-500 psi
SERIAL NO. EMS2655
PROJECT: UTC Rialto
OPERATOR(S) KW
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	✓	✓	✓	✓	✓	197.60	✓	194.04	✓	194.06	✓	197.60	21.5	366	8.03	24	—	1120	PW10G745
d	1	✓	✓	✓	✓	✓	136.52	✓	133.66	✓	133.71	✓	136.59	21.4	275	7.24	8	—	1220	PW10G605
c	1	✓	✓	✓	✓	✓	110.44	✓	107.80	✓	107.84	✓	110.47	21.1	290	8.31	33	—	1250	PW10G545
b	1	✓	✓	✓	✓	✓	73.43	✓	71.04	✓	71.07	✓	73.44	22.3	420	7.83	23	—	1315	PW10G460
a	1	✓	✓	✓	✓	✓	29.81	✓	27.79	✓	27.81	✓	29.81	21.3	521	7.79	21	—	1350	PW10G360

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-10

DATE: 8-14-14

LOCATION: 311 E. Cornell Dr, Rialto

ELEV. TOP OF WASTBAY CASING

WEATHER: Clear

PROBE TYPE Sampler 0-500psi

SERIAL NO. EMS2655

PROJECT UTC Rialto

OPERATOR(S) AN

ATM. PRESSURE (Patm): (start) 14.14 (finish) 14.11

29.07°C 19.26°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	~~760~~ 758	205.47	201.83	205.47	21.55				1100
e	743	743	197.60	194.04	197.60	21.41	415.03	327.97	743	1101
SQC	728	728	191.01	187.72	191.01	21.12				1105
LQC	618	618	143.23	140.12	143.23	20.61				1107
d	603	603	136.71	133.63	136.71	20.29	275.66	327.34	603	1108
SQC	588	588	130.22	127.22	130.22	20.04				1109
LQC	558	558	117.12	114.24	117.12	19.70				1110
c	543	543	110.62	107.71	110.62	19.44	215.87	327.13	543	1111
SQC	528	528	104.07	101.17	104.07	19.28				1112
LQC	473	473	80.13	77.51	80.13	18.93				1113
b	458	458	73.61	71.01	73.61	18.74	131.20	326.80	458	1113
SQC	443	443	67.03	64.63	67.03	18.55				1114
LQC	373	373	36.46	34.14	36.46	18.32				1115

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-10

DATE: 8-14-14

LOCATION: 311 E. Cornell Dr, Rialto

ELEV. TOP OF WASTBAY CASING

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS 2655

PROJECT UTC Rialto

OPERATOR(S) AW

ATM. PRESSURE (Patm): (start) 14.14 (finish) 14.11

29.07°C 19.26°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	358	358	30.00	27.78	30.00	18.18	31.47	326.53	358	1116
SQC	443	443	23.42	21.32	23.42	18.08				1117

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-11
SAMPLING DATE(S) 8-18-14
LOCATION: 365 N. Eucalyptus Ave, Rialto
WATER LEVEL INSIDE CASING: 295.91'
ATM. PRESSURE (PSI): (Start) 14.13 (Finish) 14.08
26.18°C 19.83

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS 2655
PROJECT: UTC Rialto
OPERATOR(S) tw
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	✓	✓	✓	✓	✓	212.36	✓	210.00	✓	210.01	✓	212.36	22.0	271	8.46	86	—	0850	PW11G750
d	1	✓	✓	✓	✓	✓	189.36	✓	186.28	✓	186.31	✓	189.38	22.4	358	7.34	96	—	0920	PW11G~~710~~695
c	1	✓	✓	✓	✓	✓	130.61	✓	128.16	✓	128.18	✓	130.60	22.8	288	7.80	63	—	0955	PW11G560
	2	✓	✓	✓	✓	✓	129.01	✓	128.14	✓	128.14	✓	129.01							~~PW11G450~~
b	1	✓	✓	✓	✓	✓	81.61	✓	80.36	✓	80.38	✓	81.60	22.1	312	7.98	73	—	1020	PW11G~~355~~450
a	1	✓	✓	✓	✓	✓	40.11	✓	39.20	✓	39.21	✓	40.12	21.4	477	7.84	82	—		PW11G~~5~~355

Comments: DUP @ Port d PW11H~~560~~695 0920 MS/MSD @ Port c

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-11
DATE: 8-18-14
LOCATION: 365 N. Eucalyptus Ave, Rialto
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE Sampler 0-500psi
SERIAL NO. EMS2655S
PROJECT UTC Rialto
OPERATOR(S) AN
ATM. PRESSURE (Patm): (start) 14.13 (finish)
26.18°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	762	220.31	214.11	220.31	21.39				0822
e	748	747	212.36	210.00	212.36	21.39	451.87	296.13	748	0824
SQC	733	732	206.01	203.80	206.01	21.34				0830
LQC	708	707	194.98	192.98	194.98	21.27				0831
d	693	692	188.48	186.29	188.48	21.17	397.17	295.83	693	0832
SQC	678	677	181.84	180.21	181.84	21.04				0833
LQC	573	572	136.24	134.67	136.24	20.62				0835
c	558	557	129.60	128.16	129.60	20.34	263.07	294.93	558	0836
SQC	543	542	123.07	121.84	123.06	20.14				0837
LQC	463	462	88.28	87.32	88.28	19.71				0839
b	448	447	81.72	80.37	81.73	19.46	152.82	295.18	448	0840
SQC	433	432	75.21	74.04	75.21	19.24				0841
LQC	368	367	47.76	45.61	47.76	18.92				0844

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-11

DATE: 8-18-14

LOCATION: 356 N. Eucalyptus Ave, Rialto

ELEV. TOP OF WASTBAY CASING

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2655

PROJECT Ensafe, UTC Rialto

OPERATOR(S) AW

ATM. PRESSURE (Patm): (start) 14.13 (finish)

26.18°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	352	40.24	39.22	40.24	18.71	57.88	295.12	353	0845
5Q	338	337	33.69	31.79	33.69	18.58				0846

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-12
SAMPLING DATE(S) 8-14-14
LOCATION: 909 E. Foothill Blvd (in alley by BOA)
WATER LEVEL INSIDE CASING: 303.66
ATM. PRESSURE (PSI): (Start) 14.20 (Finish) 14.19
24.81°C 19.29°C

PROBE TYPE Sampler 0-500psi
SERIAL NO. EMS2655
PROJECT: UTC Rialto
OPERATOR(S) AW
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	✓	✓	✓	✓	✓	~~200.01~~ 129.89	✓	195.23	✓	195.23	✓	200.01	20.5	339	6.00	103	—	0815	PW12G ~~723~~ 725
d	1	✓	✓	✓	✓	✓	124.94	✓	121.63	✓	121.65	✓	124.96	20.7	291	7.24	31	—	0840	PW12G 553 5
c	1	✓	✓	✓	✓	✓	100.98	✓	97.74	✓	97.96	✓	100.98	21.7	299	7.63	234	—	0905	PW12G500
b	1	✓	✓	✓	✓	✓	56.11	✓	52.21	✓	52.23	✓	56.14	21.9	406	7.59	46	—	0935	PW12G395
	2	✓	✓	✓	✓	✓	55.12	✓	52.24	✓	52.27	✓	55.12							
a	1	✓	✓	✓	✓	✓	28.91	✓	26.29	✓	26.29	✓	28.91	20.5	515	7.70	48	—	1005	PW12G345

Comments: DUP @ Port e = PW12H725 @ 0815 MS/MSD @ Port b

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-12

DATE: 8-18-14

LOCATION: 409 E. Foothill Blvd (in alley by BOA)

ELEV. TOP OF WASTBAY CASING

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2655

PROJECT UTC Rialto

OPERATOR(S) AW

ATM. PRESSURE (Patm): (start) 14.20 (finish) 14.19

24.81°C 19.29°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	738	206.99 60	202.59	206.60	20.71				0753
e	723	723	200.01	195.23	200.01	20.60	417.64	305.36	723	0754
SQC	708	708	193.44	189.36	193.44	20.58				0755
LQC	568	568	132.48	129.26	132.48	20.10				0757
d	553	553	126.01	121.66	126.01	19.84	247.91	305.09	553	0758
SQC	538	538	119.48	115.62	119.48	19.62				0759
LQC	513	513	108.44	105.13	108.44	19.43				0800
c	498	498	102.01	97.77	102.01	19.24	192.80	305.20	498	0801
SQC	483	483	95.61	91.83	95.61	19.10				0802
LQC	408	408	62.72	59.64	62.72	18.81				0804
b	393	393	56.26	52.29	56.26	18.64	87.87	305.13	393	0805
SQC	378	378	49.68	46.22	49.68	18.51				0806
LQC	348	348	36.60	33.29	36.60	18.38				0807

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-12

DATE: 8-14-14

LOCATION: 409 E. Foothill Blvd. (In Alley by BOA)

ELEV. TOP OF WASTBAY CASING

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2655

PROJECT UTC Rialto

OPERATOR(S) AW

ATM. PRESSURE (Patm): (start) 14.20 (finish) 14.19

24.81°C 19.29°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	333	30.01	26.33	30.01	18.30	27.98	305.01	333	0808
SQC	318	318	23.50	20.14	23.50	18.22				0809

Comments:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME				PROJECT NUMBER			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP. °C	INITIALS
YSI- ProPlus	12H100513	8/14/14 0841	4 7 10 pH	4.01 7.02 9.99	✓ ✓ ✓	25.4 25.3 25.5	KH
~~YSI-ProPlus~~ KH	~~12H100513~~ KH	~~8/13/14~~ ~~0844~~ KH	3900 us/cm	3873	✓	25.2	KH
YSI-ProPlus	12H100513	8/13/14 0849	4 7 10 pH	4.01 6.98 9.99	✓ ✓ ✓	24.9 24.8 24.9	KH
			3900 us/cm	3921	✓	24.8	KH
YSI-ProPlus	12H100513	8/14/14 0732	4 7 10 pH	4.02 7.01 9.99	✓ ✓ ✓	24.2 23.6 24.0	KH
			3900 us/cm	3857	✓	24.0	KH
YSI-ProPlus	12H100513	8/15/14 0724	4 7 10 pH	3.98 6.99 9.98	✓ ✓ ✓	26.0 25.7 25.8	KH
			3900 us/cm	3955	✓	24.9	KH
YSI - ProPlus	12H100513	8/17/14 0701	4 7 10 pH	3.98 6.99 9.97	✓ ✓ ✓	24.6 25.5 25.7	KH
			3900 us/cm	4012	✓	25.6	KH

WELL MONITORING DATA SHEET

Project #: 140811-AW1	Client: Ensafe
Sampler: AW	Date: 8-12-14
Well I.D.: N 15/5W-11F15	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 310.11
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

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

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 Hydrasleeve to 950' @ 1140					
-	Pulled Hydrasleeve on 8-15-14. Hole in bottom. Reset					
	to 950' @ 1100.					
0730	20.9	7.70	398	23	—	Strong Sulfur Odor

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 8-18-14 Sampling Time: 0730 Depth to Water: 310.11

Sample I.D.: 5W11F1G950 Laboratory: Kiff CalScience Other___

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

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 #: 140811-TW1	Client: Ensafe
Sampler: TW	Date: 8-12-14
Well I.D.: 1S/5W-3A7S	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 398.58
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: _____

_____(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	Hydrasleeve	to 410' @ 1341			
1225	19.9	7.85	238	63	—	

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Date: 8-15-14 Sampling Time: 1225 Depth to Water: 398.58

Sample I.D.: 5W3A7G410 Laboratory: Kiff CalScience Other_____

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

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 #: 140811-AW1	Client: Ensafe
Sampler: AW	Date: 8-12-14
Well I.D.: 15/5W-3A55	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 398.33
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~~ ~~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 Hydrasleeve to 670' @ 1341 hr					
	- Unable to set Hydrasleeve, Getting stuck					
	before reaching DTW. ~250'-300'					
	- No Sample Collected					

Did well dewater? Yes No		Gallons actually evacuated:	
Sampling Date:	Sampling Time:	Depth to Water:	
Sample I.D.:		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 #: 140811-AW1	Client: Ensafe
Sampler: AW	Date: 8-12-14
Well I.D.: 15/5W-3A6S	Well Diameter: (2") 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 398.51
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

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	Hydrasleeve	to	510' @		1330
1210	21.5	7.59	412	21	—	

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Date: 8-15-14 Sampling Time: 1210 Depth to Water: 398.51

Sample I.D.: 5W3A6G510 Laboratory: Kiff CalScience Other_____

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

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 #: 140811-AW1	Client: Ensafe
Sampler: AW	Date: 8-15-14
Well I.D.: 15/5W-11F4S	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 295.18
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	Hydrasleeve	to 320	@ 11~~40~~ 58 AW		
AW to 1130	23.2	7.51	372	18	—	

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 8-15-14 Sampling Time: 1130 Depth to Water: 295.18

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

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

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 #: 140811-AW1	Client: Ensafe
Sampler: AW	Date: 8-12-14
Well I.D.: 15/5W-11F3S	Well Diameter: 2 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 295.01
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	Hydrasleeve	to	432'	@	1148
1120	23.0	7.51	320	5	—	

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Date: 8-15-14 Sampling Time: 1120 Depth to Water:

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

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

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 #: 140811-AW1	Client: Ensafe
Sampler: AW	Date: 8-12-14
Well I.D.: 1S/4W-8E4S	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 229.00
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	Hydrasleeve	to	320'	@	1056
1020	21.5	7.21	411	18	—	

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 8-15-14 Sampling Time: 1020 Depth to Water: 229.00

Sample I.D.: 4W8E4G Laboratory: Kiff CalScience Other_____

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

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 #: 140811-AWI	Client: Ensafe
Sampler: AW	Date: 8-12-14
Well I.D.: 15/4W-8E3S	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): —	Depth to Water (DTW): 226.13
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	Hydrasleeve	to	587' @		1044
1010	22.9	7.57	383	129	—	

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 8-15-14 Sampling Time: 1010 Depth to Water: 226.13

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

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

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 #: 140811-TW1	Client: Ensafe
Sampler: TW	Date: 8-12-14
Well I.D.: 1S/4W-8E2S	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 225.79
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	Hydrasleeve	to	760'	@	1034
0955	22.0	7.22	312	61	—	

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 8-15-14 Sampling Time: 0955 Depth to Water: 225.79

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

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

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 #: 140811-AW1	Client: Ensafe
Sampler: AW	Date: 8-12-14
Well I.D.: 1S/4W-8E1S	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 225.46
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	Hydrasleeve	@ 980'	@ 1019		
0925	22.5	8.14	449	38	—	

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 8-15-14 Sampling Time: 0925 Depth to Water: 225.46

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

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): 4W8E1H980 ~~4W8E1H~~

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) (Other): See C.O.C.

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 #: 140811-AW1	Client: Ensafe
Sampler: AWo	Date: 8-12-14
Well I.D.: 15/5W-13B5S	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 275.66
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 hydrasleeve to 280' @					0928
0835	20.7	7.80	472	41	—	

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Date: 8-15-14 Sampling Time: 0835 Depth to Water: 275.66

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

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

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 #: 140811-AW1	Client: Ensafe
Sampler: AW	Date: 8-12-14
Well I.D.: 15/5W-13B4S	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 784.04
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	hydrasleeve	to	430	@	0914
0820	21.3	7.42	420	64	—	

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 8-15-14 Sampling Time: 0820 Depth to Water: 784.04

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

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

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 #: 140811-AW1	Client: Ensafe
Sampler: AW	Date: 8-12-14
Well I.D.: 15/5W-13B3S	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 285.16
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 hydrasleeve to 550' @ 0905					
0735	21.1	7.42	7.79	126	—	

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 8-15-14 Sampling Time: 0735 Depth to Water: 285.16

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

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

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 #: 140811-AWI	Client: Ensafe
Sampler: AW	Date: 8-12-14
Well I.D.: 1S/5W-13B2S	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD):	Depth to Water (DTW): 272.77
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
-	~~1S/5W~~		~~Set hydrasleeve to 685' @ AW~~			
-	Unable to set hydrasleeve. Getting stuck					
	@ ~310'					
-	No Sample Collected					

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: 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 8-11-14

Site Address UTC Rialto

Job Number 140811-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
EPA-MP1	X	X	X							
EPA-MP2	X	X	X							
EPA-MP3	X	X	X							
~~EPA-MP4~~ 15/9W-8E	X	X	X							
EPA-MP5	X	X	X							
EPA-MP6	X	X	X							
EPA-MP7	~~X~~		X							X
EPA-MP8	X	X	X							
PW-9	X	X	X							
CPW-16	X	X	X							
CPW-17	X	X	X							
PW-10	X	X	X							
PW-11	X	X	X							
PW-12	X	X	X							
15/5W3A	X	X	X							
15/5W-11F	X	X	X							
15/5W-13B	X	X	X							

NOTES: EPA-MP7 2 of 2 tabs stripped

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME Engafe @ UTC Rialto				PROJECT NUMBER 140811-tw1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP. C°	INITIALS
YSI - ProPlus	12H100513	8/19/14 0712	4 7 pH 10	4.05 7.06 10.01	✓ ✓ ✓	25.8 26.4 26.2	KH
			3900 us/cm	3864	✓	26.7	KH
YSI Pro-Plus	12H100513	8/20/14 0758	4 7 pH 10	4.02 7.01 10.00	✓ ✓ ✓	24.2 25.1 25.0	KH
			3900 us/cm	3904	✓	25.7	KH
YSI - ProPlus	12H100513	8/21/14 0721	4 7 pH 10	4.04 7.08 10.05	✓ ✓ ✓	24.7 24.6 24.1	KH
			3900 us/cm	3888	✓	24.5	KH
YSI - ProPlus	12H100513	8/22/14 0707	4 7 pH 10	4.00 7.03 9.95	✓ ✓ ✓	25.4 24.7 24.8	KH
			3900 us/cm	3880	✓	25.0	KH

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: CPW-16
DATE: 11-19-14
LOCATION: 2893 W. Rialto Ave, Rialto
ELEV. TOP OF WASTBAY CASING 1180
WEATHER: Clear

PROBE TYPE Sampler 0-1000psi
SERIAL NO. EMS 21
PROJECT UTC Rialto
OPERATOR(S) AN
ATM. PRESSURE (Patm): (start) 14.07 (finish) 14.09
17.07°C 18.44°C

p 1 of 2

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	238.92	227.77	238.92	21.37				0817
G	753	753	232.38	220.99	232.38	21.52	447.36	275.64	753	0819
LQC	733	733	223.64	212.37	223.64	21.51				0820
F	718	718	217.11	205.58	217.11	21.48	441.81	276.19	718	0821
SQC	~~SQ~~703	703	210.60	199.32	210.60	21.38				0822
LQC	653	~~199~~ 653	188.79	178.98	188.79	21.10				0824
E	638	638	182.22	171.97	182.22	20.92	364.38	273.70	638	0825
SQC	623	623	175.74	165.48	175.74	~~20~~ 20.64				0826
LQC	528	528	134.30	124.48	134.30	20.23				0829
D	513	513	127.75	117.73	127.75	19.91	279.14	273.86	513	0830
SQC	498	498	121.23	111.63	121.23	19.71				0831
LQC	432	432	92.46	83.10	92.47	19.33				0833
C	417	417	85.83	76.42	85.83	19.11	143.84	273.16	417	0834

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: CPW-16
DATE: 11-19-14
LOCATION: 2893 W. Rialto, Rialto
ELEV. TOP OF WASTBAY CASING 1180
WEATHER: Clear

PROBE TYPE Sampler 0-1000 psi p 2 of 2
SERIAL NO. EMS 2169
PROJECT UTC Rialto
OPERATOR(S) [illegible]
ATM. PRESSURE (Patm): (start) 14.07 (finish) 14.09
17.07 °C 18.44 °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	402	402	79.32	70.27	79.32	18.91				0834
LQC	393	393	75.41	67.23	75.41	18.72				0835
B	378	378	68.90	59.76	68.90	18.65	105.41	272.59	378	0836
SQC	363	363	62.31	53.16	62.31	18.44				0837
LQC	310	310	39.24	30.67	39.24	18.34				0839
A	295	295	32.73	24.09	32.73	18.32	23.12	271.88	295	0840
SQC	280	280	26.21	22.21	26.21	18.30				0841

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-13

DATE: 11-20-14

LOCATION: 2751 W. Mill Rd, Rialto

ELEV. TOP OF WASTBAY CASING

WEATHER: Clear

PROBE TYPE Sampler 0-1000psi

SERIAL NO. EMS2169

PROJECT UTC Rialto

OPERATOR(S) AW

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

17.41 °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	617	617	170.46	170.53	170.46	19.39				1005
E	602	602	163.91	164.06	163.90	19.71	346.17	255.83	602	1007
SQC	587	587	157.39	157.52	157.39	19.94				1014
LQC	537	537	135.64	135.92	135.64	19.86				1016
D	522	522	129.10	127.71	129.10	19.71	~~522~~ 262.31	259.69	522	1017
SQC	507	507	122.56	121.17	122.54	19.60				1018
LQC	487	487	113.82	112.76	113.82	19.46				1019
C	472	472	107.31	106.06	107.31	19.33	212.36	259.64	472	1020
SQC	457	457	100.79	99.43	100.80	19.18				1021
LQC	407	407	78.99	78.34	78.97	18.96				1023
B	392	392	72.41	71.44	72.41	18.82	132.49	259.51	392	1024
SQC	377	377	65.89	65.19	65.91	18.67				1024
LQC	352	352	54.97	54.27	54.97	18.47				1026

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-13

DATE: 11-20-14

LOCATION: 2751 W. Mill Rd, Rialto

ELEV. TOP OF WASTBAY CASING

WEATHER: Clear

PROBE TYPE Sampler 0-1000 psi

SERIAL NO. F MS2169

PROJECT UTC Rialto

OPERATOR(S) AW

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

17.41°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	337	337	48.43	47.63	48.46	18.37	77.56	259.44	337	1028
SQC	322	322	41.92	41.77	41.92	18.30				1029

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-14
DATE: 11-19-14
LOCATION: 2626 W. Mill Rd, Rialto
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE Sampler 0-1000 psi p1of2
SERIAL NO. EMS 2169
PROJECT UTC Rialto
OPERATOR(S) tw
ATM. PRESSURE (Patm): (start) 14.02 (finish) 14.08
19.59°C 20.63°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	617	617	~~150.44~~ 155.72	160.57	155.72	20.21				1331
E	602	602	150.41	154.08	150.42	20.12	323.12	278.88	602	1003
SQC	587	587	143.86	145.88	143.87	20.05				1004
LQC	537	537	122.10	122.43	122.10	19.90				1006
D	522	522	115.54	115.94	115.54	19.69	235.13	286.87	522	1007
SQC	507	507	109.03	109.47	109.03	19.57				1008
LQC	437	437	78.47	79.02	78.47	19.33				1010
C	422	422	71.98	72.53	71.97	19.09	134.98	287.02	422	1011
SQC	407	407	65.41	64.90	65.41	18.95				1012
LQC	377	377	52.34	51.26	52.34	18.74				1013
B	362	362	45.78	44.74	45.78	18.63	70.87	291.13	~~297~~ 362	1014
SQC	347	347	39.24	36.81	39.24	18.52				1016
LQC	312	312	23.97	21.90	23.97	18.47				1017

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-14
DATE: 11-19-14
LOCATION:
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE Sampler 0-1000 psi p 2 of 2
SERIAL NO. EMS 2169
PROJECT UTC Rialto
OPERATOR(S) AW
ATM. PRESSURE (Patm): (start) 14.02 (finish) 14.08
19.59°C 20.63°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	297	297	17.44	15.53	17.44	18.48	3.48	293.52	297	1018
SQC	282	282	14.29	12.18	14.27	18.52				1019

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: EPA-MP1
SAMPLING DATE(S) 11-20-14
LOCATION: 571 E. Foothill Blvd, Rialto (behind Stater Bros.)
WATER LEVEL INSIDE CASING: 189.92'
ATM. PRESSURE (PSI): (Start) 14.00 (Finish) 14.05
17.20°C 18.89°C

PROBE TYPE Sampler 0-1000psi
SERIAL NO. EMS 2169
PROJECT: UTC Rialto
OPERATOR(S) AW
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	✓	✓	✓	✓	✓	279.82	✓	234.21	✓	234.16	✓	279.82	18.6	2889.48	12	—	—	0850	EPAMP1 G189797

Comments:

WELL MONITORING DATA SHEET

Project #: 141119-AW1	Client: Ensafe
Sampler: AW	Date: 11-19-14
Well I.D.: 15/5W - 13B5S	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD):	Depth to Water (DTW): 275.42
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	Hydrasleeve	to 280' @			0718
0730	16.8	8.27	463	71	—	

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 11-20-14 Sampling Time: 0730 Depth to Water: 275.42

Sample I.D.: 5W13B5S280 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

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-13
SAMPLING DATE(S) 11-20-14
LOCATION: 2751 W. Mill Rd, Rialto
WATER LEVEL INSIDE CASING: 262.36
ATM. PRESSURE (PSI): (Start) 14.01 (Finish)
17.41 °C

PROBE TYPE Sampler 0-1000 psi
SERIAL NO. EMS2169
PROJECT: UTC Rialto
OPERATOR(S) AN
WEATHER Clear

Port Number	Run Number	Probe to Top Collar: Arm out / Land Probe	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port): Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Sample Collection Checks (probe at sampling port in MP casing): Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Field Parameters: Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm)	Sample: Sample Time	Sample ID
E	1	✓	✓	✓	✓	✓	163.91	✓	164.06	✓	164.02	✓	163.90	18.9	267	9.01	7	—	1045	PW13G615
D	1	✓	✓	✓	✓	✓	129.06	✓	127.76	✓	127.76	✓	129.06	18.7	287	8.53	3	—	1120	PW13G525
C	1	✓	✓	✓	✓	✓	107.24	✓	106.11	✓	106.07	✓	107.23	18.6	199	9.01	7	—	1200	PW13G475
B	1	✓	✓	✓	✓	✓	72.76	✓	71.48	✓	71.47	✓	72.79	18.7	267	8.71	2	—	1230	PW13G395
	2	✓	✓	✓	✓	✓	72.76	✓	71.46	✓	71.44	✓	72.76							
A	1	✓	✓	✓	✓	✓	48.26	✓	47.63	✓	47.64	✓	48.26	19.1	431	8.36	7	—	1315	PW13G390

Comments: MS/MSD Collected @ Port B

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-14
SAMPLING DATE(S) 11-19-14
LOCATION: 2626 W. Mill Rd, Rialto
WATER LEVEL INSIDE CASING: 293.06'
ATM. PRESSURE (PSI): (Start) 14.02 (Finish) 14.08
19.59°C 20.63°C

PROBE TYPE Sampler 0-1000psi
SERIAL NO. EMS 2169
PROJECT: UTC Rialto
OPERATOR(S) AW
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	✓	✓	✓	✓	✓	150.41	✓	154.08	✓	154.08	✓	150.42	19.8	279	8.07	10	—	1027	PW14G60~~35~~
D	1	✓	✓	✓	✓	✓	115.42	✓	115.82	✓	115.82	✓	115.44	20.0	278	8.22	8	—	1110	PW14G~~365~~ 525
C	1	✓	✓	✓	✓	✓	71.83	✓	72.42	✓	72.42	✓	71.83	20.4	702	8.04	4	—	1155	PW14G425
B	1	✓	✓	✓	✓	✓	46.51	✓	44.66	✓	44.69	✓	46.51	20.2	462	8.15	3	—	1235	PW14G365
A	1	✓	✓	✓	✓	✓	17.76	✓	15.47	✓	15.47	✓	17.78	20.3	432	9.31	2	—	1310	PW14G300

Comments: DUP @ Port B = PW14H365 @ 1235

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME UTC Rialto				PROJECT NUMBER 141119-AW1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
Ultrameter II	6220413	11:15	7 pH. 4 10	7.01 3.98 10.02	✓ ✓	19.2°C	AW
Ultrameter II	6220413	11 20	3900 us/cm	3900 us/cm	✓	19.9°C	AW
Ultrameter II	↓	07:10 am	7 pH 4 10	7.0 4.0 10.01	✓ ✓	15.3°C	AW
Ultrameter II	↓	07 17	3900 us/cm	3900 us/cm	✓	16.8°C	AW

Appendix G
Laboratory Analytical Reports — Groundwater Samples

Northern California
ACCUTEST LABORATORIES

09/03/14

Technical Report for

United Technology Corporation

ENSTNM: UTC RFF Superfund Site - Rialto, CA

0888815569

Accutest Job Number: C35519

Sampling Dates: 08/11/14 - 08/15/14

Report to:

Ensafe
5724 Summer Trees Road
Memphis, TN 38134
jteves@ensafe.com; kharsh@envstd.com

ATTN: Josh Teves

Total number of pages in report: **147**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Elvin Kumar 408-588-0200

Certifications: OR (CA300006) CA (08258CA) CA (ELAP 2910) AZ (AZ0762) DoD ELAP (L-A-B L2242)

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Accutest Laboratories

Sample Summary

United Technology Corporation

Job No: C35519

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 0888815569

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C35519-1	08/11/14	09:34	RV	08/16/14	AQ	Ground Water	MP1G797
C35519-2	08/11/14	10:10	RV	08/16/14	AQ	Ground Water	MP1G732
C35519-3	08/11/14	10:48	RV	08/16/14	AQ	Ground Water	MP1G562
C35519-4	08/11/14	11:15	RV	08/16/14	AQ	Ground Water	MP1G462
C35519-5	08/11/14	11:40	RV	08/16/14	AQ	Ground Water	MP1G366
C35519-6	08/11/14	13:20	RV	08/16/14	AQ	Ground Water	MP8G722
C35519-7	08/11/14	13:48	RV	08/16/14	AQ	Ground Water	MP8G607
C35519-8	08/11/14	14:00	RV	08/16/14	AQ	Equipment Blank	EB1081114
C35519-9	08/13/14	09:45	RV	08/16/14	AQ	Ground Water	CPW17G712
C35519-10	08/13/14	10:05	RV	08/16/14	AQ	Ground Water	CPW17G612
C35519-11	08/13/14	10:40	RV	08/16/14	AQ	Ground Water	CPW17G563
C35519-12	08/13/14	10:40	RV	08/16/14	AQ	Ground Water	CPW17H563
C35519-13	08/13/14	11:10	RV	08/16/14	AQ	Ground Water	CPW17G503

Accutest Laboratories

Sample Summary
(continued)

United Technology Corporation

Job No: C35519

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 0888815569

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C35519-14	08/13/14	11:35	RV	08/16/14	AQ	Ground Water	CPW17G413
C35519-15	08/13/14	11:55	RV	08/16/14	AQ	Ground Water	CPW17G313
C35519-16	08/13/14	13:25	RV	08/16/14	AQ	Ground Water	MP8G492
C35519-17	08/13/14	13:45	RV	08/16/14	AQ	Ground Water	MP8G397
C35519-18	08/13/14	14:05	RV	08/16/14	AQ	Ground Water	MP8G347
C35519-19	08/13/14	14:15	RV	08/16/14	AQ	Equipment Blank	EB2081314
C35519-20	08/14/14	08:15	RV	08/16/14	AQ	Ground Water	PW12G725
C35519-21	08/14/14	08:15	RV	08/16/14	AQ	Ground Water	PW12H725
C35519-22	08/14/14	08:40	RV	08/16/14	AQ	Ground Water	PW12G555
C35519-23	08/14/14	09:05	RV	08/16/14	AQ	Ground Water	PW12G500
C35519-24	08/14/14	09:35	RV	08/16/14	AQ	Ground Water	PW12G395
C35519-24D	08/14/14	09:35	RV	08/16/14	AQ	Water Dup/MSD	PW12G395
C35519-24S	08/14/14	09:35	RV	08/16/14	AQ	Water Matrix Spike	PW12G395

Accutest Laboratories

Sample Summary
(continued)

United Technology Corporation

Job No: C35519

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 0888815569

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C35519-25	08/14/14	10:05	RV	08/16/14	AQ	Ground Water	PW12G345
C35519-26	08/14/14	11:20	RV	08/16/14	AQ	Ground Water	PW10G745
C35519-27	08/14/14	12:20	RV	08/16/14	AQ	Ground Water	PW10G605
C35519-28	08/14/14	12:50	RV	08/16/14	AQ	Ground Water	PW10G545
C35519-29	08/14/14	13:15	RV	08/16/14	AQ	Ground Water	PW10G460
C35519-30	08/14/14	13:35	RV	08/16/14	AQ	Ground Water	PW10G360
C35519-31	08/14/14	13:50	RV	08/16/14	AQ	Equipment Blank	EB3081414
C35519-32	08/15/14	09:50	RV	08/16/14	AQ	Trip Blank Water	TB1081514
C35519-33	08/15/14	09:52	RV	08/16/14	AQ	Trip Blank Water	TB2081514

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C35519
Site:	ENSTNM: UTC RFF Superfund Site - Rialto, CA	**Report Date**	9/3/2014 2:26:23 AM

31 Sample(s), 2 Trip Blank(s) and 0 Field Blank(s) were collected between 08/11/2014 and 08/15/2014 and were received at Accutest on 08/16/2014 properly preserved, at 2 Deg. C and intact. These Samples received an Accutest job number of C35519. 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:** VW1716

- Sample(s) C35492-3MS, C35492-3MSD were used as the QC samples indicated.
- Sample(s) C35519-2, C35519-5 have Isopropyl Alcohol reported with a “B” qualifier, indicating analyte is found in the associated method blank.
- RPD(s) for MSD for Isopropyl Alcohol are outside laboratory control limits for sample C35492-3MSD. Associated blank spike and matrix spike recoveries were acceptable.

Matrix: AQ **Batch ID:** VW1717

- Sample(s) C35519-6MS, C35519-6MSD were used as the QC samples indicated.
- Sample(s) C35519-10, C35519-11, C35519-12, C35519-13, C35519-14, C35519-17, C35519-20, C35519-21, C35519-22, C35519-6, C35519-7, C35519-8, C35519-9 have Isopropyl Alcohol reported with a “B” qualifier, indicating analyte is found in the associated method blank.

Matrix: AQ **Batch ID:** VW1718

- Sample(s) C35519-24MS, C35519-24MSD were used as the QC samples indicated.
- Sample(s) C35519-23, C35519-27, C35519-28, C35519-29, C35519-30, C35519-31 have Isopropyl Alcohol reported with a “B” qualifier, indicating analyte is found in the associated method blank.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethylene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromoethane, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, Benzene, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, cis-1,2-Dichloroethylene, cis-1,3-Dichloropropene, Ethylbenzene, Hexachlorobutadiene, m,p-Xylene, m-Dichlorobenzene, Methyl bromide, Methylene chloride, o-Dichlorobenzene, o-Xylene, p-Dichlorobenzene, Styrene, Tetrachloroethylene, Toluene, trans-1,3-Dichloropropene, Trichloroethylene, Trichlorofluoromethane, Vinyl chloride, Isopropyl Alcohol are outside control limits (high bias). Associated BS/BSD spike recoveries were acceptable.
- RPD(s) for MSD for Isopropyl Alcohol are outside laboratory control limits for sample C35519-24MSD.

Matrix: AQ **Batch ID:** VW1720

- Sample(s) C35585-1MS, C35585-1MSD were used as the QC samples indicated.
- Sample(s) C35519-32, C35519-33 have Isopropyl Alcohol reported with a “B” qualifier, indicating analyte is found in the associated method blank.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for 1,1,1-Trichloroethane, Chloroform, Methylene chloride are outside laboratory control limits.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for cis-1,2-Dichloroethylene are outside control limits due to high level in sample relative to spike amount.

Wet Chemistry By Method EPA 314

Matrix: AQ	**Batch ID:** GP6754

- Sample(s) C35519-24MS, C35519-24MSD were used as the QC samples for Perchlorate.

Matrix: AQ	**Batch ID:** GP6755

- Sample(s) C35523-2MS, C35523-2MSD were used as the QC samples for Perchlorate.

Matrix: AQ	**Batch ID:** GP6760

- Sample(s) C35656-3MS, C35656-3MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM2510 B-97

Matrix: AQ	**Batch ID:** GN14310

- Sample(s) C35581-21DUP were used as the QC samples for Specific Conductivity.

Matrix: AQ	**Batch ID:** GN14332

- Sample(s) C35519-24DUP, C35519-9DUP were used as the QC samples for Specific Conductivity.

Matrix: AQ	**Batch ID:** GN14334

- Sample(s) C35523-2DUP 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: C35519
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 08/11/14 thru 08/15/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C35519-1	**MP1G797**					
Tetrachloroethylene		0.80 J	1.0	0.30	ug/l	SW846 8260B
Trichloroethylene		6.4	1.0	0.20	ug/l	SW846 8260B
Specific Conductivity		310	1.0	1.0	umhos/cm	SM2510 B-97
C35519-2	**MP1G732**					
Isopropyl Alcohol		6.1 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		373	1.0	1.0	umhos/cm	SM2510 B-97
C35519-3	**MP1G562**					
Perchlorate		0.80 B	1.0	0.31	ug/l	EPA 314
Specific Conductivity		319	1.0	1.0	umhos/cm	SM2510 B-97
C35519-4	**MP1G462**					
Perchlorate		1.5	1.0	0.31	ug/l	EPA 314
Specific Conductivity		323	1.0	1.0	umhos/cm	SM2510 B-97
C35519-5	**MP1G366**					
Isopropyl Alcohol		6.4 JB	100	5.0	ug/l	SW846 8260B
Perchlorate		1.7	1.0	0.31	ug/l	EPA 314
Specific Conductivity		284	1.0	1.0	umhos/cm	SM2510 B-97
C35519-6	**MP8G722**					
Isopropyl Alcohol		11.0 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		138	1.0	1.0	umhos/cm	SM2510 B-97
C35519-7	**MP8G607**					
Isopropyl Alcohol		15.2 JB	100	5.0	ug/l	SW846 8260B
Perchlorate		1.7	1.0	0.31	ug/l	EPA 314
Specific Conductivity		192	1.0	1.0	umhos/cm	SM2510 B-97
C35519-8	**EB1081114**					
Isopropyl Alcohol		16.9 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		1.4	1.0	1.0	umhos/cm	SM2510 B-97

Summary of Hits

Job Number: C35519
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 08/11/14 thru 08/15/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C35519-9	**CPW17G712**					
Isopropyl Alcohol		9.1 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		242	1.0	1.0	umhos/cm	SM2510 B-97
C35519-10	**CPW17G612**					
Isopropyl Alcohol		18.0 JB	100	5.0	ug/l	SW846 8260B
Perchlorate		0.88 B	1.0	0.31	ug/l	EPA 314
Specific Conductivity		271	1.0	1.0	umhos/cm	SM2510 B-97
C35519-11	**CPW17G563**					
Isopropyl Alcohol		24.9 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		291	1.0	1.0	umhos/cm	SM2510 B-97
C35519-12	**CPW17H563**					
Isopropyl Alcohol		14.0 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		289	1.0	1.0	umhos/cm	SM2510 B-97
C35519-13	**CPW17G503**					
Isopropyl Alcohol		135 B	100	5.0	ug/l	SW846 8260B
Methyl chloride		0.43 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		315	1.0	1.0	umhos/cm	SM2510 B-97
C35519-14	**CPW17G413**					
Isopropyl Alcohol		26.1 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		273	1.0	1.0	umhos/cm	SM2510 B-97
C35519-15	**CPW17G313**					
Perchlorate		3.6	1.0	0.31	ug/l	EPA 314
Specific Conductivity		385	1.0	1.0	umhos/cm	SM2510 B-97
C35519-16	**MP8G492**					
Specific Conductivity		291	1.0	1.0	umhos/cm	SM2510 B-97
C35519-17	**MP8G397**					
Isopropyl Alcohol		6.2 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		296	1.0	1.0	umhos/cm	SM2510 B-97

Summary of Hits

Job Number: C35519
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 08/11/14 thru 08/15/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C35519-18	**MP8G347**					
Specific Conductivity		210	1.0	1.0	umhos/cm	SM2510 B-97
C35519-19	**EB2081314**					
Specific Conductivity		1.3	1.0	1.0	umhos/cm	SM2510 B-97
C35519-20	**PW12G725**					
Isopropyl Alcohol		5.1 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		332	1.0	1.0	umhos/cm	SM2510 B-97
C35519-21	**PW12H725**					
Isopropyl Alcohol		11.3 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		336	1.0	1.0	umhos/cm	SM2510 B-97
C35519-22	**PW12G555**					
Isopropyl Alcohol		8.9 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		290	1.0	1.0	umhos/cm	SM2510 B-97
C35519-23	**PW12G500**					
Isopropyl Alcohol		7.7 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		296	1.0	1.0	umhos/cm	SM2510 B-97
C35519-24	**PW12G395**					
Perchlorate		3.5	1.0	0.31	ug/l	EPA 314
Specific Conductivity		406	1.0	1.0	umhos/cm	SM2510 B-97
C35519-25	**PW12G345**					
Perchlorate		3.2	1.0	0.31	ug/l	EPA 314
Specific Conductivity		520	1.0	1.0	umhos/cm	SM2510 B-97
C35519-26	**PW10G745**					
Specific Conductivity		338	1.0	1.0	umhos/cm	SM2510 B-97

Summary of Hits

Job Number: C35519
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 08/11/14 thru 08/15/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C35519-27	**PW10G605**					
Isopropyl Alcohol		10.8 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		269	1.0	1.0	umhos/cm	SM2510 B-97
C35519-28	**PW10G545**					
Isopropyl Alcohol		10.3 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		285	1.0	1.0	umhos/cm	SM2510 B-97
C35519-29	**PW10G460**					
Isopropyl Alcohol		19.7 JB	100	5.0	ug/l	SW846 8260B
Trichloroethylene		21.2	1.0	0.20	ug/l	SW846 8260B
Perchlorate		461	20	6.3	ug/l	EPA 314
Specific Conductivity		405	1.0	1.0	umhos/cm	SM2510 B-97
C35519-30	**PW10G360**					
Isopropyl Alcohol		32.5 JB	100	5.0	ug/l	SW846 8260B
Trichloroethylene		0.35 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		21.5	1.0	0.31	ug/l	EPA 314
Specific Conductivity		520	1.0	1.0	umhos/cm	SM2510 B-97
C35519-31	**EB3081414**					
Isopropyl Alcohol		59.0 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		1.5	1.0	1.0	umhos/cm	SM2510 B-97
C35519-32	**TB1081514**					
Isopropyl Alcohol		15.3 JB	100	5.0	ug/l	SW846 8260B
Methyl chloride		0.41 J	1.0	0.30	ug/l	SW846 8260B
C35519-33	**TB2081514**					
Isopropyl Alcohol		38.6 JB	100	5.0	ug/l	SW846 8260B
Methyl chloride		0.38 J	1.0	0.30	ug/l	SW846 8260B

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MP1G797		
Lab Sample ID:	C35519-1	**Date Sampled:**	08/11/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47746.D	1	08/21/14	JC	n/a	n/a	VW1716
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	0.80	1.0	0.30	ug/l	J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1G797		
Lab Sample ID:	C35519-1	**Date Sampled:**	08/11/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	101%		70-130%
2037-26-5	Toluene-D8	109%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1G797		
Lab Sample ID:	C35519-1	**Date Sampled:**	08/11/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/30/14 13:08	PH	EPA 314
Specific Conductivity	310	1.0	1.0	umhos/cm	1	08/25/14 13:45	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP1G732		
Lab Sample ID:	C35519-2	**Date Sampled:**	08/11/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47747.D	1	08/21/14	JC	n/a	n/a	VW1716
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	6.1	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1G732		
Lab Sample ID:	C35519-2	**Date Sampled:**	08/11/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	107%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1G732		
Lab Sample ID:	C35519-2	**Date Sampled:**	08/11/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/30/14 13:25	PH	EPA 314
Specific Conductivity	373	1.0	1.0	umhos/cm	1	08/25/14 13:45	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP1G562		
Lab Sample ID:	C35519-3	**Date Sampled:**	08/11/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47748.D	1	08/21/14	JC	n/a	n/a	VW1716
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1G562		
Lab Sample ID:	C35519-3	**Date Sampled:**	08/11/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	107%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1G562		
Lab Sample ID:	C35519-3	**Date Sampled:**	08/11/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.80 B	1.0	0.31	ug/l	1	08/30/14 13:42	PH	EPA 314
Specific Conductivity	319	1.0	1.0	umhos/cm	1	08/25/14 13:45	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP1G462		
Lab Sample ID:	C35519-4	**Date Sampled:**	08/11/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47749.D	1	08/21/14	JC	n/a	n/a	VW1716
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1G462		
Lab Sample ID:	C35519-4	**Date Sampled:**	08/11/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	108%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1G462		
Lab Sample ID:	C35519-4	**Date Sampled:**	08/11/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	1.5	1.0	0.31	ug/l	1	08/30/14 14:00	PH	EPA 314
Specific Conductivity	323	1.0	1.0	umhos/cm	1	08/25/14 13:45	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP1G366		
Lab Sample ID:	C35519-5	**Date Sampled:**	08/11/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47750.D	1	08/21/14	JC	n/a	n/a	VW1716
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	6.4	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1G366		
Lab Sample ID:	C35519-5	**Date Sampled:**	08/11/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	109%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1G366		
Lab Sample ID:	C35519-5	**Date Sampled:**	08/11/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	1.7	1.0	0.31	ug/l	1	08/30/14 14:52	PH	EPA 314
Specific Conductivity	284	1.0	1.0	umhos/cm	1	08/25/14 13:45	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP8G722		
Lab Sample ID:	C35519-6	**Date Sampled:**	08/11/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47767.D	1	08/22/14	JC	n/a	n/a	VW1717
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	11.0	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP8G722		
Lab Sample ID:	C35519-6	**Date Sampled:**	08/11/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	108%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP8G722		
Lab Sample ID:	C35519-6	**Date Sampled:**	08/11/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/30/14 15:09	PH	EPA 314
Specific Conductivity	138	1.0	1.0	umhos/cm	1	08/25/14 13:45	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP8G607		
Lab Sample ID:	C35519-7	**Date Sampled:**	08/11/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47768.D	1	08/22/14	JC	n/a	n/a	VW1717
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	15.2	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP8G607		
Lab Sample ID:	C35519-7	**Date Sampled:**	08/11/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	108%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP8G607		
Lab Sample ID:	C35519-7	**Date Sampled:**	08/11/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	1.7	1.0	0.31	ug/l	1	08/30/14 15:27	PH	EPA 314
Specific Conductivity	192	1.0	1.0	umhos/cm	1	08/25/14 13:45	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	EB1081114		
Lab Sample ID:	C35519-8	**Date Sampled:**	08/11/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47769.D	1	08/22/14	JC	n/a	n/a	VW1717
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	16.9	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB1081114		
Lab Sample ID:	C35519-8	**Date Sampled:**	08/11/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	108%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB1081114		
Lab Sample ID:	C35519-8	**Date Sampled:**	08/11/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/30/14 15:44	PH	EPA 314
Specific Conductivity	1.4	1.0	1.0	umhos/cm	1	08/27/14 13:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	CPW17G712		
Lab Sample ID:	C35519-9	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47770.D	1	08/22/14	JC	n/a	n/a	VW1717
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	9.1	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G712		
Lab Sample ID:	C35519-9	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	110%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G712		
Lab Sample ID:	C35519-9	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/30/14 16:02	PH	EPA 314
Specific Conductivity	242	1.0	1.0	umhos/cm	1	08/27/14 13:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	CPW17G612		
Lab Sample ID:	C35519-10	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47771.D	1	08/22/14	JC	n/a	n/a	VW1717
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	18.0	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G612		
Lab Sample ID:	C35519-10	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	109%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G612		
Lab Sample ID:	C35519-10	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.88 B	1.0	0.31	ug/l	1	08/30/14 16:19	PH	EPA 314
Specific Conductivity	271	1.0	1.0	umhos/cm	1	08/27/14 13:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	CPW17G563		
Lab Sample ID:	C35519-11	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47772.D	1	08/22/14	JC	n/a	n/a	VW1717
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	24.9	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G563		
Lab Sample ID:	C35519-11	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	109%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G563		
Lab Sample ID:	C35519-11	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/30/14 16:36	PH	EPA 314
Specific Conductivity	291	1.0	1.0	umhos/cm	1	08/27/14 13:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	CPW17H563		
Lab Sample ID:	C35519-12	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47773.D	1	08/22/14	JC	n/a	n/a	VW1717
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	14.0	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17H563		
Lab Sample ID:	C35519-12	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	110%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17H563		
Lab Sample ID:	C35519-12	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/30/14 16:54	PH	EPA 314
Specific Conductivity	289	1.0	1.0	umhos/cm	1	08/27/14 13:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	CPW17G503		
Lab Sample ID:	C35519-13	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47774.D	1	08/22/14	JC	n/a	n/a	VW1717
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	135	100	5.0	ug/l	B
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G503		
Lab Sample ID:	C35519-13	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	108%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G503		
Lab Sample ID:	C35519-13	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/30/14 17:11	PH	EPA 314
Specific Conductivity	315	1.0	1.0	umhos/cm	1	08/27/14 13:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	CPW17G413		
Lab Sample ID:	C35519-14	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47775.D	1	08/22/14	JC	n/a	n/a	VW1717
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	26.1	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G413		
Lab Sample ID:	C35519-14	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	109%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G413		
Lab Sample ID:	C35519-14	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/30/14 17:29	PH	EPA 314
Specific Conductivity	273	1.0	1.0	umhos/cm	1	08/27/14 13:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	CPW17G313		
Lab Sample ID:	C35519-15	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47776.D	1	08/22/14	JC	n/a	n/a	VW1717
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G313		
Lab Sample ID:	C35519-15	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	109%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G313		
Lab Sample ID:	C35519-15	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	3.6	1.0	0.31	ug/l	1	08/30/14 18:56	PH	EPA 314
Specific Conductivity	385	1.0	1.0	umhos/cm	1	08/27/14 13:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP8G492		
Lab Sample ID:	C35519-16	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47777.D	1	08/22/14	JC	n/a	n/a	VW1717
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP8G492		
Lab Sample ID:	C35519-16	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	109%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP8G492		
Lab Sample ID:	C35519-16	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/30/14 19:13	PH	EPA 314
Specific Conductivity	291	1.0	1.0	umhos/cm	1	08/27/14 13:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP8G397		
Lab Sample ID:	C35519-17	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47778.D	1	08/22/14	JC	n/a	n/a	VW1717
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	6.2	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP8G397		
Lab Sample ID:	C35519-17	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	110%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP8G397		
Lab Sample ID:	C35519-17	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/30/14 19:31	PH	EPA 314
Specific Conductivity	296	1.0	1.0	umhos/cm	1	08/27/14 13:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP8G347		
Lab Sample ID:	C35519-18	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47779.D	1	08/22/14	JC	n/a	n/a	VW1717
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP8G347		
Lab Sample ID:	C35519-18	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	108%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP8G347		
Lab Sample ID:	C35519-18	**Date Sampled:**	08/13/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/30/14 19:48	PH	EPA 314
Specific Conductivity	210	1.0	1.0	umhos/cm	1	08/27/14 13:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	EB2081314		
Lab Sample ID:	C35519-19	**Date Sampled:**	08/13/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47780.D	1	08/22/14	JC	n/a	n/a	VW1717
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB2081314		
Lab Sample ID:	C35519-19	**Date Sampled:**	08/13/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	109%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB2081314		
Lab Sample ID:	C35519-19	**Date Sampled:**	08/13/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/30/14 20:05	PH	EPA 314
Specific Conductivity	1.3	1.0	1.0	umhos/cm	1	08/27/14 13:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW12G725		
Lab Sample ID:	C35519-20	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47781.D	1	08/22/14	JC	n/a	n/a	VW1717
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	5.1	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G725		
Lab Sample ID:	C35519-20	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	109%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G725		
Lab Sample ID:	C35519-20	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/30/14 23:52	PH	EPA 314
Specific Conductivity	332	1.0	1.0	umhos/cm	1	08/27/14 13:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW12H725		
Lab Sample ID:	C35519-21	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47782.D	1	08/22/14	JC	n/a	n/a	VW1717
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	11.3	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12H725		
Lab Sample ID:	C35519-21	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	108%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12H725		
Lab Sample ID:	C35519-21	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/31/14 00:09	PH	EPA 314
Specific Conductivity	336	1.0	1.0	umhos/cm	1	08/27/14 13:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW12G555		
Lab Sample ID:	C35519-22	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47783.D	1	08/22/14	JC	n/a	n/a	VW1717
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	8.9	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G555		
Lab Sample ID:	C35519-22	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	108%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G555		
Lab Sample ID:	C35519-22	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/31/14 00:26	PH	EPA 314
Specific Conductivity	290	1.0	1.0	umhos/cm	1	08/27/14 13:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW12G500		
Lab Sample ID:	C35519-23	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47794.D	1	08/23/14	JC	n/a	n/a	VW1718
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	7.7	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G500		
Lab Sample ID:	C35519-23	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	108%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G500		
Lab Sample ID:	C35519-23	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/31/14 00:44	PH	EPA 314
Specific Conductivity	296	1.0	1.0	umhos/cm	1	08/27/14 13:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW12G395		
Lab Sample ID:	C35519-24	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47795.D	1	08/23/14	JC	n/a	n/a	VW1718
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G395		
Lab Sample ID:	C35519-24	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	108%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G395		
Lab Sample ID:	C35519-24	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	3.5	1.0	0.31	ug/l	1	08/30/14 12:50	PH	EPA 314
Specific Conductivity	406	1.0	1.0	umhos/cm	1	08/27/14 13:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW12G345		
Lab Sample ID:	C35519-25	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47796.D	1	08/23/14	JC	n/a	n/a	VW1718
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G345		
Lab Sample ID:	C35519-25	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	109%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G345		
Lab Sample ID:	C35519-25	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	3.2	1.0	0.31	ug/l	1	08/31/14 01:01	PH	EPA 314
Specific Conductivity	520	1.0	1.0	umhos/cm	1	08/27/14 13:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW10G745		
Lab Sample ID:	C35519-26	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47797.D	1	08/23/14	JC	n/a	n/a	VW1718
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G745		
Lab Sample ID:	C35519-26	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	107%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G745		
Lab Sample ID:	C35519-26	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/31/14 01:54	PH	EPA 314
Specific Conductivity	338	1.0	1.0	umhos/cm	1	08/27/14 13:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW10G605		
Lab Sample ID:	C35519-27	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47798.D	1	08/23/14	JC	n/a	n/a	VW1718
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	10.8	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G605		
Lab Sample ID:	C35519-27	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	108%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G605		
Lab Sample ID:	C35519-27	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/31/14 02:11	PH	EPA 314
Specific Conductivity	269	1.0	1.0	umhos/cm	1	08/27/14 13:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW10G545		
Lab Sample ID:	C35519-28	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47799.D	1	08/23/14	JC	n/a	n/a	VW1718
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	10.3	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G545		
Lab Sample ID:	C35519-28	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	109%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G545		
Lab Sample ID:	C35519-28	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/31/14 02:28	PH	EPA 314
Specific Conductivity	285	1.0	1.0	umhos/cm	1	08/27/14 15:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW10G460		
Lab Sample ID:	C35519-29	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47800.D	1	08/23/14	JC	n/a	n/a	VW1718
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	19.7	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G460		
Lab Sample ID:	C35519-29	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	21.2	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	109%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G460		
Lab Sample ID:	C35519-29	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	461	20	6.3	ug/l	20	09/01/14 02:47	PH	EPA 314
Specific Conductivity	405	1.0	1.0	umhos/cm	1	08/27/14 15:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW10G360		
Lab Sample ID:	C35519-30	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47801.D	1	08/23/14	JC	n/a	n/a	VW1718
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	32.5	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G360		
Lab Sample ID:	C35519-30	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	0.35	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	104%		70-130%
2037-26-5	Toluene-D8	109%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G360		
Lab Sample ID:	C35519-30	**Date Sampled:**	08/14/14
Matrix:	AQ - Ground Water	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	21.5	1.0	0.31	ug/l	1	08/31/14 03:03	PH	EPA 314
Specific Conductivity	520	1.0	1.0	umhos/cm	1	08/27/14 15:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	EB3081414		
Lab Sample ID:	C35519-31	**Date Sampled:**	08/14/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47802.D	1	08/23/14	JC	n/a	n/a	VW1718
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	59.0	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB3081414		
Lab Sample ID:	C35519-31	**Date Sampled:**	08/14/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	109%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB3081414		
Lab Sample ID:	C35519-31	**Date Sampled:**	08/14/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/16/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/31/14 03:21	PH	EPA 314
Specific Conductivity	1.5	1.0	1.0	umhos/cm	1	08/27/14 15:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	TB1081514		
Lab Sample ID:	C35519-32	**Date Sampled:**	08/15/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47845.D	1	08/25/14	JC	n/a	n/a	VW1720
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	15.3	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB1081514		
Lab Sample ID:	C35519-32	**Date Sampled:**	08/15/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	107%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB2081514		
Lab Sample ID:	C35519-33	**Date Sampled:**	08/15/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47846.D	1	08/25/14	JC	n/a	n/a	VW1720
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	38.6	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB2081514		
Lab Sample ID:	C35519-33	**Date Sampled:**	08/15/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	107%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range 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

CHAIN OF CUSTODY

ACCUTEST LABORATORIES
2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

1 of 4

FED-EX Tracking # 8020 0829 6843
Bottle Order Control #
Accutest Quote #
Accutest NC Job #: C35519

Client / Reporting Information

Company Name: ENSAFE, INC.
Address: 2151 SALVIO St #301
City: CONCORD State: CA Zip: 94520
Project Contact: Josh TEVES
Phone #: 925 305 2109
Samplers's Name: Ricky VILLAREAL

Project Information

Project Name: UTC RFF superfund
Street: –
City: – State: –
Project #: 0888815569
EMAIL: JTEVES@ENSAFE.COM
Client Purchase Order #: 17343

Requested Analysis

VOCs (8260B) | PERCHLORATE (E314)

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI-Oil; WP-Wipe; LIQ - Non-aqueous Liquid; AIR; DW- Drinking Water (Perchlorate Only)

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Time	Sampled by	Matrix	# of bottles	HCl	MeOH	HNO3	H2SO4	NaOH	NaHSO4	MEOH	ENCORE	VOCs (8260B)	PERCHLORATE (E314)	LAB USE ONLY
1	MP1G797	8-11-14	9:34	R.V.	GW	~~4~~ 3	~~3~~ 2				1				X	X	1 Broken vial
2	MP1G732	8-11-14	10:10	R.V.	GW	4	3				1				X	X	
3	MP1G562	8-11-14	10:48	R.V.	GW	4	3				1				X	X	
4	MP1G462	8-11-14	11:15	R.V.	GW	~~4~~ 2	~~3~~ 1				1				X	X	2 Broken vials
5	MP1G366	8-11-14	11:40	R.V.	GW	4	3				1				X	X	
6	MP8G722	8-11-14	13:20	R.V.	GW	4	3				1				X	X	
7	MP8G607	8-11-14	13:48	R.V.	GW	4	3				1				X	X	
8	EB108114	8-11-14	14:00	R.V.	WQ	4	3				1				X	X	
9	CPW17G712	8-13-14	9:45	R.V.	GW	4	3				1				X	X	
10	CPW17G612	8-13-14	10:05	R.V.	GW	4	3				1				X	X	

Turnaround Time (Business days)

- [x] 10 Day
- [ ] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day
- [ ] Same Day

Approved By/ Date: Rd. PER CSR

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:
- [x] ENSAFE 3-FILE EQUIS

Comments / Remarks

WQ: WATER QUALITY control MATRIX
NORMAL RLs with J- FLAGS
Rush/ PRELIMINARY Electronic data Summaries
PDF DATA PACKAGE- Level 2

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 Ricky Villareal	8-15-14 10:08	1 8-15 1008	2	8-15 1200	2 Fedex
Relinquished by: 3 Fedex	8/16/14 1000	Received By: 3 Manuel Galvan	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Appropriate Bottle / Pres. Y/N; Labels match Coc? Y / N	Headspace Y/N; Separate Receiving Check List used: Y / N; On Ice Y/N; Cooler Temp 1.3-0.3=2.0, 4.0-0.3=3.7

IRVINE

C35519: Chain of Custody
Page 1 of 5

CHAIN OF CUSTODY

ACCUTEST® LABORATORIES
2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

2 of 4

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest NC Job #: C 35519

Client / Reporting Information

Company Name: ENSAFF, INC
Address: 2151 SALVIO ST #301
City: CONCORD State: CA Zip: 94520
Project Contact: JOSH TEVES
Phone #: 925 305 2109
Samplers's Name: Ricky VILLARREAL

Project Information

Project Name: UTC RFF SUPERFUND
Street: —
City: — State: —
Project #: 08888 15569
EMAIL: JTEVES@ENSAFF.COM
Client Purchase Order #: 17343

Requested Analysis

VOCs (8260B) — PERCHLORATE (E314)

Matrix Codes

WW- Wastewater
GW- Ground Water
SW- Surface Water
SO- Soil
OI-Oil
WP-Wipe
LIQ - Non-aqueous Liquid
AIR
DW- Drinking Water (Perchlorate Only)

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	VOCs (8260B)	PERCHLORATE (E314)	LAB USE ONLY
11	CPW17G563	8-13-14	10:40	RV	GW	4	3				1				X	X	
12	CPW17H563	8-13-14	10:40	RV	GW	4	3				1				X	X	
13	CPW17G503	8-13-14	11:10	RV	GW	4	3				1				X	X	
14	CPW17G413	8-13-14	11:35	RV	GW	4	3				1				X	X	
15	CPW17G313	8-13-14	11:55	RV	GW	4	3				1				X	X	
16	MP8G492	8-13-14	13:23	RV	GW	4	3				1				X	X	
17	MP8G397	8-13-14	13:45	RV	GW	4	3				1				X	X	
18	MP8G347	8-13-14	14:05	RV	GW	4	3				1				X	X	
19	EB208 1314	8-13-14	14:15	RV	WQ	4	3				1				X	X	
20	PW12G725	8-14-14	8:15	RV	GW	4	3				1				X	X	

Turnaround Time (Business days)

- [X] 10 Day
- [ ] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day
- [ ] Same Day

Approved By/Date: R.V. PER LSR

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:
- [X] ENSAFF 3-FILE FQVIS

Comments / Remarks

WQ: WATER quality control MATRIX
NORMAL RLs with J-FLAGS
Rush/RFF Illm. NAPA Electronic DATA SUMMARIES
POF DATA PACKAGE- Level 2

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 Ricky Villarreal	8-15-14 10:03	1 [signature] 8-15 1008	2 [signature]	8-15 1200	2 Fedex
Relinquished by: 3 Fedex	Date Time: 8/16/14 1000	Received By: 3 [signature]	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Appropriate Bottle / Pres. Y / N; Labels match Coc? Y / N	Headspace Y / N; Separate Receiving Check List used: Y / N; On Ice Y / N; Cooler Temp. ____ °C

IRVINE

C35519: Chain of Custody
Page 2 of 5

CHAIN OF CUSTODY

ACCUTEST® LABORATORIES
2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

3 of 4

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest NC Job #: C C35519

Client / Reporting Information

Company Name: ENSAFE, INC.
Address: 2151 SALVIO ST #301
City: CONCORD State: CA Zip: 94520
Project Contact: JOSH TEVES
Phone #: 925 305 2109
Samplers's Name: RICKY VILLARREAL

Project Information

Project Name: UTC RFP SUPERFUND
Street: —
City: — State: —
Project #: 08888155.69
EMAIL: JTEVES@ENSAFE.COM
Client Purchase Order #: 17343

Requested Analysis

VOCs (8260B) | PERCHLORATE (E314)

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI-Oil; WP-Wipe; LIQ - Non-aqueous Liquid; AIR; DW- Drinking Water (Perchlorate Only)

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	VOCs (8260B)	PERCHLORATE (E314)	LAB USE ONLY
21	PW12H725	8-14-14	9:15	RV	GW	4	3				1				X	X	
22	PW12G555	8-14-14	9:40	RV	GW	4	3				1				X	X	
23	PW12G500	8-14-14	9:05	RV	GW	4	3				1				X	X	
24	PW12G395	8-14-14	9:35	RV	GW	12	9				3				X	X	
25	PW12G345	8-14-14	10:05	RV	GW	4	3				1				X	X	
26	PW10G745	8-14-14	11:20	RV	GW	4	3				1				X	X	
27	PW10G605	8-14-14	12:20	RV	GW	4	3				1				X	X	
28	PW10G545	8-14-14	12:50	RV	GW	4	3				1				X	X	
29	PW10G460	8-14-14	13:15	RV	GW	4	3				1				X	X	
30	PW10G360	8-14-14	13:35	RV	GW	4	3				1				X	X	

Turnaround Time (Business days)

- [X] 10 Day — Approved By/Date: R.V. PER LSR
- [ ] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day
- [ ] Same Day

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:
- [X] ENSAFE 3-FILE EQUIS

Comments / Remarks

EXTRA volume for PW12G395 for MS/MSD
NORMAL RLs with J-FLAGS
Rush/RPF Immediate Electronic data summaries
PDF DATA PACKAGE - LEVEL 2

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Ricky Villarreal	8-15-14, 10:13	8-15 1008		8-15 1200	Fedex
2						
3	Fedex	8/16/14 1000	Marie Calone			
4						
5						

Custody Seal #:
Appropriate Bottle / Pres. Y / N
Headspace Y / N
On Ice Y / N
Cooler Temp.
Labels match Coc? Y / N
Separate Receiving Check List used: Y / N
oC

IRVINE

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C35519: Chain of Custody
Page 3 of 5

CHAIN OF CUSTODY

ACCUTEST® LABORATORIES
2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

4 of 4

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest NC Job #: C C35519

Client / Reporting Information

Company Name: ENSAFF, INC
Address: 2151 SALVIO ST #301
City: CONCORD State: CA Zip: 94520
Project Contact: JOSH TEVES
Phone #: 925 305 2109
Samplers's Name: Ricky VILLARREAL

Project Information

Project Name: UTC RFF SUPERFUND
Street: –
City: – State: –
Project #: 0888815569
EMAIL: JTEVES@ENSAFF.COM
Client Purchase Order #: 17343

Requested Analysis

VOCs (8260B) — REPORTING (E314)

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI-Oil; WP-Wipe; LIQ - Non-aqueous Liquid; AIR; DW- Drinking Water (Perchlorate Only)

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MeOH	ENCORE	VOCs (8260B)	REPORTING (E314)	LAB USE ONLY
31	EB081414	8-14-14	13:50	RV	WQ	4	3				1				X	X	
32	TB1081514	8-15-14	9:50	RV	WQ	3	3								X		
33	TB2081514	8-15-14	9:52	RV	WQ	3	3								X		

Turnaround Time (Business days)

- [x] 10 Day — Approved By/ Date: R.V. PM
- [ ] 5 Day — LSR
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day
- [ ] Same Day

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode: [x] ENSAFF 3-FILE EQUIS

Comments / Remarks

WQ: WATER Quality Control MATRIX
NORMAL RL's WITH J-FLAGS
Rush/Preliminary Electronic data SUMMARIES
PDF DATA PACKAGE - LEVEL 2

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Ricky Villarreal	8-15-14 10:13	8-15 1008		8-15 1200	Fedex
2						
3	Fedex	8/16/14 1000	Marc Cohen			
4						
5						

Custody Seal #:
Appropriate Bottle / Pres. Y / N — Headspace Y / N — On Ice Y / N — Cooler Temp. ___ °C
Labels match Coc? Y / N — Separate Receiving Check List used: Y / N

IRVINE

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C35519: Chain of Custody
Page 4 of 5

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C35519 **Client:** ENSAFE/UTC **Project:** UTC RFF SUPERFUND

Date / Time Received: 8/16/2014 **Delivery Method:** FedEx **Airbill #'s:** 802008296843

Cooler Temps (Initial/Adjusted): #1: (2.3/2); #2: (4/3.7);

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;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	2		

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
1 broken vial C35519-1 (MP1G797)
2 broken vials C35519-4 (MP1G462)

Accutest Laboratories
V:408.588.0200
2105 Lundy Avenue
F: 408.588.0201
San Jose, CA 95131
www/accutest.com

C35519: Chain of Custody
Page 5 of 5

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: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1716-MB	W47736.D	1	08/21/14	JC	n/a	n/a	VW1716

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-1, C35519-2, C35519-3, C35519-4, C35519-5

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 [a]	21.9	100	5.0	ug/l	JB
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: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1716-MB	W47736.D	1	08/21/14	JC	n/a	n/a	VW1716

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-1, C35519-2, C35519-3, C35519-4, C35519-5

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	100%	70-130%
2037-26-5	Toluene-D8	108%	70-130%
460-00-4	4-Bromofluorobenzene	103%	70-130%

(a) Associated sample(s) with "B" qualifiers indicate analyte is found at concentrations less than 10 times of method blank.

Method Blank Summary

Job Number: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1717-MB	W47766.D	1	08/22/14	JC	n/a	n/a	VW1717

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-6, C35519-7, C35519-8, C35519-9, C35519-10, C35519-11, C35519-12, C35519-13, C35519-14, C35519-15, C35519-16, C35519-17, C35519-18, C35519-19, C35519-20, C35519-21, C35519-22

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 [a]	17.1	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	
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: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1717-MB	W47766.D	1	08/22/14	JC	n/a	n/a	VW1717

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-6, C35519-7, C35519-8, C35519-9, C35519-10, C35519-11, C35519-12, C35519-13, C35519-14, C35519-15, C35519-16, C35519-17, C35519-18, C35519-19, C35519-20, C35519-21, C35519-22

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	101%	70-130%
2037-26-5	Toluene-D8	108%	70-130%
460-00-4	4-Bromofluorobenzene	103%	70-130%

(a) Associated sample(s) with "B" qualifiers indicate analyte is found at concentrations less than 10 times of method blank.

Method Blank Summary

Job Number: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1718-MB	W47793.D	1	08/23/14	JC	n/a	n/a	VW1718

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-23, C35519-24, C35519-25, C35519-26, C35519-27, C35519-28, C35519-29, C35519-30, C35519-31

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 [a]	6.1	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	
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: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1718-MB	W47793.D	1	08/23/14	JC	n/a	n/a	VW1718

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-23, C35519-24, C35519-25, C35519-26, C35519-27, C35519-28, C35519-29, C35519-30, C35519-31

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	103%	70-130%
2037-26-5	Toluene-D8	108%	70-130%
460-00-4	4-Bromofluorobenzene	104%	70-130%

(a) Associated sample(s) with "B" qualifiers indicate analyte is found at concentrations less than 10 times of method blank.

Method Blank Summary

Job Number: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1720-MB	W47844.D	1	08/25/14	JC	n/a	n/a	VW1720

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-32, C35519-33

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 [a]	9.3	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	
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: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1720-MB	W47844.D	1	08/25/14	JC	n/a	n/a	VW1720

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-32, C35519-33

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	100%	70-130%
2037-26-5	Toluene-D8	107%	70-130%
460-00-4	4-Bromofluorobenzene	100%	70-130%

(a) Associated sample(s) with "B" qualifiers indicate analyte is found at concentrations less than 10 times of method blank.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1716-BS	W47730.D	1	08/21/14	JC	n/a	n/a	VW1716
VW1716-BSD	W47731.D	1	08/21/14	JC	n/a	n/a	VW1716

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-1, C35519-2, C35519-3, C35519-4, C35519-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.0	100	19.6	98	2	77-122/25
108-90-7	Chlorobenzene	20	20.9	105	20.3	102	3	77-122/16
75-00-3	Chloroethane	20	19.2	96	18.5	93	4	69-133/18
67-66-3	Chloroform	20	21.1	106	20.5	103	3	74-126/17
56-23-5	Carbon tetrachloride	20	20.4	102	21.1	106	3	71-133/19
75-34-3	1,1-Dichloroethane	20	20.1	101	19.5	98	3	71-125/17
75-35-4	1,1-Dichloroethylene	20	19.0	95	19.3	97	2	66-125/20
106-93-4	1,2-Dibromoethane	20	20.5	103	20.1	101	2	75-135/17
107-06-2	1,2-Dichloroethane	20	20.4	102	20.0	100	2	71-131/17
78-87-5	1,2-Dichloropropane	20	20.3	102	19.9	100	2	78-124/16
75-71-8	Dichlorodifluoromethane	20	19.5	98	18.9	95	3	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	20.4	102	19.9	100	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	21.9	110	21.3	107	3	72-130/16
541-73-1	m-Dichlorobenzene	20	21.3	107	20.7	104	3	75-124/16
95-50-1	o-Dichlorobenzene	20	21.4	107	20.8	104	3	76-124/16
106-46-7	p-Dichlorobenzene	20	20.1	101	19.6	98	3	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	20.7	104	20.2	101	2	71-126/16
100-41-4	Ethylbenzene	20	20.1	101	19.5	98	3	76-126/17
76-13-1	Freon 113	20	14.4	72	15.3	77	6	60-145/25
87-68-3	Hexachlorobutadiene	20	20.2	101	20.3	102	0	69-135/20
67-63-0	Isopropyl Alcohol	400	390	98	400	100	3	70-130/20
74-83-9	Methyl bromide	20	22.1	111	21.5	108	3	68-132/18
74-87-3	Methyl chloride	20	20.0	100	19.1	96	5	39-150/28
75-09-2	Methylene chloride	20	19.1	96	18.7	94	2	67-128/18
100-42-5	Styrene	20	20.0	100	19.4	97	3	72-134/16
71-55-6	1,1,1-Trichloroethane	20	20.5	103	20.6	103	0	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	20.8	104	20.6	103	1	77-129/17
79-00-5	1,1,2-Trichloroethane	20	20.7	104	20.2	101	2	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	20.5	103	20.2	101	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	20.2	101	19.5	98	4	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	21.2	106	20.7	104	2	77-129/17
127-18-4	Tetrachloroethylene	20	19.5	98	19.5	98	0	69-127/20
108-88-3	Toluene	20	20.2	101	19.7	99	3	75-122/17
79-01-6	Trichloroethylene	20	20.1	101	19.9	100	1	78-123/17
75-69-4	Trichlorofluoromethane	20	21.5	108	21.0	105	2	65-136/23
75-01-4	Vinyl chloride	20	20.0	100	19.4	97	3	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1716-BS	W47730.D	1	08/21/14	JC	n/a	n/a	VW1716
VW1716-BSD	W47731.D	1	08/21/14	JC	n/a	n/a	VW1716

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-1, C35519-2, C35519-3, C35519-4, C35519-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	40.4	101	39.3	98	3	76-125/17
95-47-6	o-Xylene	20	20.8	104	20.2	101	3	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	108%	108%	70-130%
2037-26-5	Toluene-D8	104%	104%	70-130%
460-00-4	4-Bromofluorobenzene	104%	103%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1717-BS	W47763.D	1	08/22/14	JC	n/a	n/a	VW1717
VW1717-BSD	W47764.D	1	08/22/14	JC	n/a	n/a	VW1717

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-6, C35519-7, C35519-8, C35519-9, C35519-10, C35519-11, C35519-12, C35519-13, C35519-14, C35519-15, C35519-16, C35519-17, C35519-18, C35519-19, C35519-20, C35519-21, C35519-22

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	18.8	94	18.9	95	1	77-122/25
108-90-7	Chlorobenzene	20	19.8	99	19.9	100	1	77-122/16
75-00-3	Chloroethane	20	18.2	91	18.3	92	1	69-133/18
67-66-3	Chloroform	20	20.1	101	20.3	102	1	74-126/17
56-23-5	Carbon tetrachloride	20	20.0	100	20.8	104	4	71-133/19
75-34-3	1,1-Dichloroethane	20	19.2	96	19.3	97	1	71-125/17
75-35-4	1,1-Dichloroethylene	20	18.4	92	19.2	96	4	66-125/20
106-93-4	1,2-Dibromoethane	20	20.3	102	20.1	101	1	75-135/17
107-06-2	1,2-Dichloroethane	20	19.7	99	19.5	98	1	71-131/17
78-87-5	1,2-Dichloropropane	20	19.3	97	19.3	97	0	78-124/16
75-71-8	Dichlorodifluoromethane	20	17.3	87	17.1	86	1	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	19.4	97	19.6	98	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	20.8	104	20.9	105	0	72-130/16
541-73-1	m-Dichlorobenzene	20	19.9	100	20.1	101	1	75-124/16
95-50-1	o-Dichlorobenzene	20	20.3	102	20.2	101	0	76-124/16
106-46-7	p-Dichlorobenzene	20	19.0	95	19.1	96	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	20.2	101	20.0	100	1	71-126/16
100-41-4	Ethylbenzene	20	19.0	95	19.1	96	1	76-126/17
76-13-1	Freon 113	20	14.0	70	15.5	78	10	60-145/25
87-68-3	Hexachlorobutadiene	20	18.6	93	19.4	97	4	69-135/20
67-63-0	Isopropyl Alcohol	400	412	103	411	103	0	70-130/20
74-83-9	Methyl bromide	20	20.6	103	20.8	104	1	68-132/18
74-87-3	Methyl chloride	20	18.6	93	18.4	92	1	39-150/28
75-09-2	Methylene chloride	20	18.3	92	18.4	92	1	67-128/18
100-42-5	Styrene	20	18.7	94	18.9	95	1	72-134/16
71-55-6	1,1,1-Trichloroethane	20	20.1	101	20.6	103	2	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	21.6	108	21.0	105	3	77-129/17
79-00-5	1,1,2-Trichloroethane	20	20.3	102	19.9	100	2	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	19.7	99	19.5	98	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	18.8	94	18.9	95	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	19.8	99	20.0	100	1	77-129/17
127-18-4	Tetrachloroethylene	20	18.6	93	19.2	96	3	69-127/20
108-88-3	Toluene	20	19.0	95	19.2	96	1	75-122/17
79-01-6	Trichloroethylene	20	19.2	96	19.3	97	1	78-123/17
75-69-4	Trichlorofluoromethane	20	20.4	102	20.6	103	1	65-136/23
75-01-4	Vinyl chloride	20	20.4	102	18.6	93	9	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1717-BS	W47763.D	1	08/22/14	JC	n/a	n/a	VW1717
VW1717-BSD	W47764.D	1	08/22/14	JC	n/a	n/a	VW1717

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-6, C35519-7, C35519-8, C35519-9, C35519-10, C35519-11, C35519-12, C35519-13, C35519-14, C35519-15, C35519-16, C35519-17, C35519-18, C35519-19, C35519-20, C35519-21, C35519-22

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	38.3	96	1	76-125/17
95-47-6	o-Xylene	20	19.4	97	19.6	98	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	109%	109%	70-130%
2037-26-5	Toluene-D8	105%	104%	70-130%
460-00-4	4-Bromofluorobenzene	104%	104%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1718-BS	W47790.D	1	08/23/14	JC	n/a	n/a	VW1718
VW1718-BSD	W47791.D	1	08/23/14	JC	n/a	n/a	VW1718

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-23, C35519-24, C35519-25, C35519-26, C35519-27, C35519-28, C35519-29, C35519-30, C35519-31

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.1	101	20.0	100	0	77-122/25
108-90-7	Chlorobenzene	20	21.2	106	21.0	105	1	77-122/16
75-00-3	Chloroethane	20	19.4	97	19.8	99	2	69-133/18
67-66-3	Chloroform	20	21.2	106	21.7	109	2	74-126/17
56-23-5	Carbon tetrachloride	20	21.5	108	22.0	110	2	71-133/19
75-34-3	1,1-Dichloroethane	20	20.4	102	20.8	104	2	71-125/17
75-35-4	1,1-Dichloroethylene	20	19.7	99	20.4	102	3	66-125/20
106-93-4	1,2-Dibromoethane	20	21.0	105	20.7	104	1	75-135/17
107-06-2	1,2-Dichloroethane	20	20.5	103	20.3	102	1	71-131/17
78-87-5	1,2-Dichloropropane	20	20.5	103	20.2	101	1	78-124/16
75-71-8	Dichlorodifluoromethane	20	17.4	87	17.0	85	2	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	20.7	104	21.0	105	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	21.9	110	21.7	109	1	72-130/16
541-73-1	m-Dichlorobenzene	20	21.5	108	21.3	107	1	75-124/16
95-50-1	o-Dichlorobenzene	20	21.8	109	21.3	107	2	76-124/16
106-46-7	p-Dichlorobenzene	20	20.5	103	20.2	101	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	21.0	105	20.7	104	1	71-126/16
100-41-4	Ethylbenzene	20	20.5	103	20.3	102	1	76-126/17
76-13-1	Freon 113	20	15.1	76	16.2	81	7	60-145/25
87-68-3	Hexachlorobutadiene	20	21.1	106	21.0	105	0	69-135/20
67-63-0	Isopropyl Alcohol	400	413	103	419	105	1	70-130/20
74-83-9	Methyl bromide	20	22.0	110	22.5	113	2	68-132/18
74-87-3	Methyl chloride	20	19.1	96	19.5	98	2	39-150/28
75-09-2	Methylene chloride	20	19.3	97	19.7	99	2	67-128/18
100-42-5	Styrene	20	19.9	100	19.8	99	1	72-134/16
71-55-6	1,1,1-Trichloroethane	20	21.4	107	22.3	112	4	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	22.1	111	21.6	108	2	77-129/17
79-00-5	1,1,2-Trichloroethane	20	21.0	105	20.7	104	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	20.9	105	20.5	103	2	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	20.6	103	20.3	102	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	21.7	109	21.5	108	1	77-129/17
127-18-4	Tetrachloroethylene	20	20.0	100	20.1	101	0	69-127/20
108-88-3	Toluene	20	20.5	103	20.3	102	1	75-122/17
79-01-6	Trichloroethylene	20	20.5	103	20.5	103	0	78-123/17
75-69-4	Trichlorofluoromethane	20	21.8	109	21.5	108	1	65-136/23
75-01-4	Vinyl chloride	20	19.7	99	19.6	98	1	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1718-BS	W47790.D	1	08/23/14	JC	n/a	n/a	VW1718
VW1718-BSD	W47791.D	1	08/23/14	JC	n/a	n/a	VW1718

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-23, C35519-24, C35519-25, C35519-26, C35519-27, C35519-28, C35519-29, C35519-30, C35519-31

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	40.8	102	40.6	102	0	76-125/17
95-47-6	o-Xylene	20	21.1	106	20.7	104	2	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	108%	110%	70-130%
2037-26-5	Toluene-D8	105%	104%	70-130%
460-00-4	4-Bromofluorobenzene	105%	102%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1720-BS	W47841.D	1	08/25/14	JC	n/a	n/a	VW1720
VW1720-BSD	W47842.D	1	08/25/14	JC	n/a	n/a	VW1720

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-32, C35519-33

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	20.5	103	1	77-122/25
108-90-7	Chlorobenzene	20	21.0	105	21.5	108	2	77-122/16
75-00-3	Chloroethane	20	19.3	97	20.0	100	4	69-133/18
67-66-3	Chloroform	20	21.7	109	22.6	113	4	74-126/17
56-23-5	Carbon tetrachloride	20	22.7	114	22.0	110	3	71-133/19
75-34-3	1,1-Dichloroethane	20	20.9	105	21.6	108	3	71-125/17
75-35-4	1,1-Dichloroethylene	20	20.3	102	20.3	102	0	66-125/20
106-93-4	1,2-Dibromoethane	20	20.4	102	21.0	105	3	75-135/17
107-06-2	1,2-Dichloroethane	20	20.5	103	21.0	105	2	71-131/17
78-87-5	1,2-Dichloropropane	20	20.7	104	21.0	105	1	78-124/16
75-71-8	Dichlorodifluoromethane	20	15.7	79	14.6	73	7	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	21.1	106	21.8	109	3	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	21.8	109	22.4	112	3	72-130/16
541-73-1	m-Dichlorobenzene	20	21.5	108	21.8	109	1	75-124/16
95-50-1	o-Dichlorobenzene	20	21.3	107	21.8	109	2	76-124/16
106-46-7	p-Dichlorobenzene	20	20.2	101	20.8	104	3	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	20.7	104	21.3	107	3	71-126/16
100-41-4	Ethylbenzene	20	20.5	103	20.7	104	1	76-126/17
76-13-1	Freon 113	20	16.3	82	15.4	77	6	60-145/25
87-68-3	Hexachlorobutadiene	20	20.5	103	20.2	101	1	69-135/20
67-63-0	Isopropyl Alcohol	400	387	97	402	101	4	70-130/20
74-83-9	Methyl bromide	20	21.8	109	22.7	114	4	68-132/18
74-87-3	Methyl chloride	20	18.7	94	19.3	97	3	39-150/28
75-09-2	Methylene chloride	20	19.7	99	20.6	103	4	67-128/18
100-42-5	Styrene	20	19.8	99	20.3	102	2	72-134/16
71-55-6	1,1,1-Trichloroethane	20	22.7	114	22.8	114	0	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	21.5	108	22.2	111	3	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	19.1	96	19.6	98	3	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	20.9	105	21.1	106	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	22.0	110	22.1	111	0	77-129/17
127-18-4	Tetrachloroethylene	20	20.3	102	20.2	101	0	69-127/20
108-88-3	Toluene	20	20.6	103	20.6	103	0	75-122/17
79-01-6	Trichloroethylene	20	21.0	105	21.0	105	0	78-123/17
75-69-4	Trichlorofluoromethane	20	22.5	113	21.9	110	3	65-136/23
75-01-4	Vinyl chloride	20	19.7	99	19.5	98	1	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1720-BS	W47841.D	1	08/25/14	JC	n/a	n/a	VW1720
VW1720-BSD	W47842.D	1	08/25/14	JC	n/a	n/a	VW1720

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-32, C35519-33

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	41.1	103	41.2	103	0	76-125/17
95-47-6	o-Xylene	20	21.1	106	21.2	106	0	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	108%	111%	70-130%
2037-26-5	Toluene-D8	103%	103%	70-130%
460-00-4	4-Bromofluorobenzene	101%	102%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35492-3MS	W47751.D	10	08/21/14	JC	n/a	n/a	VW1716
C35492-3MSD	W47752.D	10	08/21/14	JC	n/a	n/a	VW1716
C35492-3	W47737.D	10	08/21/14	JC	n/a	n/a	VW1716

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-1, C35519-2, C35519-3, C35519-4, C35519-5

CAS No.	Compound	C35492-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		200	225	113	200	216	108	4	77-122/16
108-90-7	Chlorobenzene	ND		200	228	114	200	222	111	3	77-122/16
75-00-3	Chloroethane	ND		200	225	113	200	219	110	3	69-133/18
67-66-3	Chloroform	ND		200	246	123	200	231	116	6	74-126/17
56-23-5	Carbon tetrachloride	ND		200	237	119	200	235	118	1	71-133/19
75-34-3	1,1-Dichloroethane	ND		200	239	120	200	222	111	7	71-125/17
75-35-4	1,1-Dichloroethylene	6.0	J	200	227	111	200	221	108	3	66-125/20
106-93-4	1,2-Dibromoethane	ND		200	222	111	200	217	109	2	75-135/17
107-06-2	1,2-Dichloroethane	ND		200	231	116	200	220	110	5	71-131/17
78-87-5	1,2-Dichloropropane	ND		200	229	115	200	220	110	4	78-124/16
75-71-8	Dichlorodifluoromethane	ND		200	236	118	200	222	111	6	32-168/28
156-59-2	cis-1,2-Dichloroethylene	8.2	J	200	244	118	200	230	111	6	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		200	236	118	200	229	115	3	72-130/16
541-73-1	m-Dichlorobenzene	ND		200	235	118	200	225	113	4	75-124/16
95-50-1	o-Dichlorobenzene	ND		200	234	117	200	225	113	4	76-124/16
106-46-7	p-Dichlorobenzene	ND		200	221	111	200	213	107	4	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		200	223	112	200	218	109	2	71-126/16
100-41-4	Ethylbenzene	ND		200	224	112	200	216	108	4	76-126/17
76-13-1	Freon 113	ND		200	167	84	200	171	86	2	60-145/25
87-68-3	Hexachlorobutadiene	ND		200	216	108	200	217	109	0	69-135/20
67-63-0	Isopropyl Alcohol	89.5	JB	4000	3420	83	4000	4260	104	22* [a]	70-130/20
74-83-9	Methyl bromide	ND		200	249	125	200	247	124	1	68-132/18
74-87-3	Methyl chloride	ND		200	238	119	200	226	113	5	39-150/28
75-09-2	Methylene chloride	ND		200	220	110	200	208	104	6	67-128/18
100-42-5	Styrene	ND		200	220	110	200	213	107	3	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		200	246	123	200	234	117	5	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		200	232	116	200	227	114	2	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		200	222	111	200	218	109	2	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		200	218	109	200	217	109	0	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		200	226	113	200	217	109	4	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		200	235	118	200	228	114	3	77-129/17
127-18-4	Tetrachloroethylene	21.4		200	236	107	200	232	105	2	69-127/20
108-88-3	Toluene	ND		200	224	112	200	216	108	4	75-122/17
79-01-6	Trichloroethylene	256		200	501	123	200	481	113	4	78-123/17
75-69-4	Trichlorofluoromethane	ND		200	251	126	200	250	125	0	65-136/23
75-01-4	Vinyl chloride	ND		200	231	116	200	227	114	2	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35492-3MS	W47751.D	10	08/21/14	JC	n/a	n/a	VW1716
C35492-3MSD	W47752.D	10	08/21/14	JC	n/a	n/a	VW1716
C35492-3	W47737.D	10	08/21/14	JC	n/a	n/a	VW1716

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-1, C35519-2, C35519-3, C35519-4, C35519-5

CAS No.	Compound	C35492-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		400	449	112	400	432	108	4	76-125/17
95-47-6	o-Xylene	ND		200	230	115	200	221	111	4	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C35492-3	Limits
1868-53-7	Dibromofluoromethane	112%	109%	109%	70-130%
2037-26-5	Toluene-D8	105%	105%	106%	70-130%
460-00-4	4-Bromofluorobenzene	105%	104%	104%	70-130%

(a) Outside laboratory control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35519-6MS	W47784.D	1	08/22/14	JC	n/a	n/a	VW1717
C35519-6MSD	W47785.D	1	08/22/14	JC	n/a	n/a	VW1717
C35519-6	W47767.D	1	08/22/14	JC	n/a	n/a	VW1717

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-6, C35519-7, C35519-8, C35519-9, C35519-10, C35519-11, C35519-12, C35519-13, C35519-14, C35519-15, C35519-16, C35519-17, C35519-18, C35519-19, C35519-20, C35519-21, C35519-22

CAS No.	Compound	C35519-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	20.3	102	20	20.1	101	1	77-122/16
108-90-7	Chlorobenzene	ND		20	20.6	103	20	20.5	103	0	77-122/16
75-00-3	Chloroethane	ND		20	20.7	104	20	20.0	100	3	69-133/18
67-66-3	Chloroform	ND		20	21.3	107	20	20.9	105	2	74-126/17
56-23-5	Carbon tetrachloride	ND		20	23.3	117	20	23.2	116	0	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	20.9	105	20	20.3	102	3	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	20.4	102	20	20.6	103	1	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	19.8	99	20	19.8	99	0	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	20.6	103	20	20.2	101	2	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	20.6	103	20	20.2	101	2	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	20.6	103	20	19.9	100	3	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	20.2	101	20	20.1	101	0	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	21.0	105	20	20.8	104	1	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	21.2	106	20	21.4	107	1	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	21.2	106	20	21.4	107	1	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	20.0	100	20	20.3	102	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	20.0	100	20	19.6	98	2	71-126/16
100-41-4	Ethylbenzene	ND		20	20.6	103	20	20.4	102	1	76-126/17
76-13-1	Freon 113	ND		20	15.8	79	20	16.4	82	4	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	21.3	107	20	22.1	111	4	69-135/20
67-63-0	Isopropyl Alcohol	11.0	JB	400	377	92	400	399	97	6	70-130/20
74-83-9	Methyl bromide	ND		20	22.1	111	20	21.6	108	2	68-132/18
74-87-3	Methyl chloride	ND		20	21.4	107	20	20.6	103	4	39-150/28
75-09-2	Methylene chloride	ND		20	18.7	94	20	18.4	92	2	67-128/18
100-42-5	Styrene	ND		20	19.8	99	20	19.8	99	0	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	22.7	114	20	22.3	112	2	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	21.2	106	20	21.4	107	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	20.3	102	20	19.9	100	2	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	20.1	101	20	20.5	103	2	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	20.6	103	20	20.9	105	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	21.7	109	20	22.1	111	2	77-129/17
127-18-4	Tetrachloroethylene	ND		20	20.0	100	20	20.2	101	1	69-127/20
108-88-3	Toluene	ND		20	20.5	103	20	20.2	101	1	75-122/17
79-01-6	Trichloroethylene	ND		20	20.7	104	20	20.6	103	0	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	24.2	121	20	23.7	119	2	65-136/23
75-01-4	Vinyl chloride	ND		20	21.8	109	20	21.4	107	2	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35519-6MS	W47784.D	1	08/22/14	JC	n/a	n/a	VW1717
C35519-6MSD	W47785.D	1	08/22/14	JC	n/a	n/a	VW1717
C35519-6	W47767.D	1	08/22/14	JC	n/a	n/a	VW1717

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-6, C35519-7, C35519-8, C35519-9, C35519-10, C35519-11, C35519-12, C35519-13, C35519-14, C35519-15, C35519-16, C35519-17, C35519-18, C35519-19, C35519-20, C35519-21, C35519-22

CAS No.	Compound	C35519-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	40.9	102	40	40.9	102	0	76-125/17
95-47-6	o-Xylene	ND		20	20.8	104	20	20.8	104	0	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C35519-6	Limits
1868-53-7	Dibromofluoromethane	108%	106%	101%	70-130%
2037-26-5	Toluene-D8	106%	106%	108%	70-130%
460-00-4	4-Bromofluorobenzene	104%	103%	102%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35519-24MS	W47809.D	1	08/23/14	JC	n/a	n/a	VW1718
C35519-24MSD	W47810.D	1	08/23/14	JC	n/a	n/a	VW1718
C35519-24	W47795.D	1	08/23/14	JC	n/a	n/a	VW1718

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-23, C35519-24, C35519-25, C35519-26, C35519-27, C35519-28, C35519-29, C35519-30, C35519-31

CAS No.	Compound	C35519-24 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	27.5	138* [a]	20	28.5	143* [a]	4	77-122/16
108-90-7	Chlorobenzene	ND		20	28.3	142* [a]	20	29.6	148* [a]	4	77-122/16
75-00-3	Chloroethane	ND		20	27.9	140* [a]	20	27.8	139* [a]	0	69-133/18
67-66-3	Chloroform	ND		20	29.1	146* [a]	20	29.6	148* [a]	2	74-126/17
56-23-5	Carbon tetrachloride	ND		20	31.8	159* [a]	20	33.0	165* [a]	4	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	28.5	143* [a]	20	28.9	145* [a]	1	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	28.1	141* [a]	20	29.1	146* [a]	3	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	27.1	136* [a]	20	28.5	143* [a]	5	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	27.8	139* [a]	20	28.6	143* [a]	3	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	28.0	140* [a]	20	28.8	144* [a]	3	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	28.5	143	20	27.3	137	4	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	27.6	138* [a]	20	28.4	142* [a]	3	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	28.6	143* [a]	20	29.6	148* [a]	3	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	29.0	145* [a]	20	30.9	155* [a]	6	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	28.9	145* [a]	20	30.7	154* [a]	6	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	27.4	137* [a]	20	29.2	146* [a]	6	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	27.4	137* [a]	20	28.3	142* [a]	3	71-126/16
100-41-4	Ethylbenzene	ND		20	28.2	141* [a]	20	29.4	147* [a]	4	76-126/17
76-13-1	Freon 113	ND		20	22.3	112	20	23.2	116	4	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	28.2	141* [a]	20	30.9	155* [a]	9	69-135/20
67-63-0	Isopropyl Alcohol	ND		400	417	104	400	533	133* [a]	24* [a]	70-130/20
74-83-9	Methyl bromide	ND		20	30.3	152* [a]	20	30.2	151* [a]	0	68-132/18
74-87-3	Methyl chloride	ND		20	28.6	143	20	27.9	140	2	39-150/28
75-09-2	Methylene chloride	ND		20	25.6	128	20	26.3	132* [a]	3	67-128/18
100-42-5	Styrene	ND		20	26.7	134	20	27.8	139* [a]	4	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	31.2	156* [a]	20	31.6	158* [a]	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	28.7	144* [a]	20	30.9	155* [a]	7	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	27.8	139* [a]	20	28.7	144* [a]	3	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	26.6	133* [a]	20	28.8	144* [a]	8	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	28.3	142* [a]	20	29.9	150* [a]	5	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	29.8	149* [a]	20	31.7	159* [a]	6	77-129/17
127-18-4	Tetrachloroethylene	ND		20	27.4	137* [a]	20	29.2	146* [a]	6	69-127/20
108-88-3	Toluene	ND		20	27.8	139* [a]	20	29.2	146* [a]	5	75-122/17
79-01-6	Trichloroethylene	ND		20	28.1	141* [a]	20	29.6	148* [a]	5	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	32.7	164* [a]	20	32.8	164* [a]	0	65-136/23
75-01-4	Vinyl chloride	ND		20	29.1	146	20	29.3	147* [a]	1	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35519-24MS	W47809.D	1	08/23/14	JC	n/a	n/a	VW1718
C35519-24MSD	W47810.D	1	08/23/14	JC	n/a	n/a	VW1718
C35519-24	W47795.D	1	08/23/14	JC	n/a	n/a	VW1718

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-23, C35519-24, C35519-25, C35519-26, C35519-27, C35519-28, C35519-29, C35519-30, C35519-31

CAS No.	Compound	C35519-24 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	56.1	140* [a]	40	58.8	147* [a]	5	76-125/17
95-47-6	o-Xylene	ND		20	28.5	143* [a]	20	29.8	149* [a]	4	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C35519-24	Limits
1868-53-7	Dibromofluoromethane	108%	106%	102%	70-130%
2037-26-5	Toluene-D8	106%	106%	108%	70-130%
460-00-4	4-Bromofluorobenzene	105%	103%	103%	70-130%

(a) Outside laboratory control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35585-1MS	W47863.D	400	08/25/14	JC	n/a	n/a	VW1720
C35585-1MSD	W47864.D	400	08/25/14	JC	n/a	n/a	VW1720
C35585-1	W47862.D	40	08/25/14	JC	n/a	n/a	VW1720
C35585-1	W47861.D	400	08/25/14	JC	n/a	n/a	VW1720

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-32, C35519-33

CAS No.	Compound	C35585-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		8000	9130	114	8000	9130	114	0	77-122/16
108-90-7	Chlorobenzene	ND		8000	9290	116	8000	9390	117	1	77-122/16
75-00-3	Chloroethane	ND		8000	9130	114	8000	9150	114	0	69-133/18
67-66-3	Chloroform	ND		8000	10300	129* [a]	8000	10200	128* [a]	1	74-126/17
56-23-5	Carbon tetrachloride	ND		8000	9920	124	8000	9580	120	3	71-133/19
75-34-3	1,1-Dichloroethane	ND		8000	9860	123	8000	9790	122	1	71-125/17
75-35-4	1,1-Dichloroethylene	36.3		8000	8880	111	8000	8800	110	1	66-125/20
106-93-4	1,2-Dibromoethane	ND		8000	9010	113	8000	9210	115	2	75-135/17
107-06-2	1,2-Dichloroethane	ND		8000	9680	121	8000	9470	118	2	71-131/17
78-87-5	1,2-Dichloropropane	ND		8000	9450	118	8000	9390	117	1	78-124/16
75-71-8	Dichlorodifluoromethane	ND		8000	7410	93	8000	7030	88	5	32-168/28
156-59-2	cis-1,2-Dichloroethylene	38500 [c]		8000	52900	180* [b]	8000	53300	185* [b]	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		8000	9630	120	8000	9600	120	0	72-130/16
541-73-1	m-Dichlorobenzene	ND		8000	9430	118	8000	9540	119	1	75-124/16
95-50-1	o-Dichlorobenzene	ND		8000	9390	117	8000	9450	118	1	76-124/16
106-46-7	p-Dichlorobenzene	ND		8000	8930	112	8000	8900	111	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		8000	9140	114	8000	9210	115	1	71-126/16
100-41-4	Ethylbenzene	ND		8000	9120	114	8000	9190	115	1	76-126/17
76-13-1	Freon 113	ND		8000	6810	85	8000	6440	81	6	60-145/25
87-68-3	Hexachlorobutadiene	ND		8000	8310	104	8000	8120	102	2	69-135/20
67-63-0	Isopropyl Alcohol	ND		160000	156000	98	160000	183000	114	16	70-130/20
74-83-9	Methyl bromide	ND		8000	9960	125	8000	10100	126	1	68-132/18
74-87-3	Methyl chloride	ND		8000	9080	114	8000	8960	112	1	39-150/28
75-09-2	Methylene chloride	111		8000	9970	123	8000	10700	132* [a]	7	67-128/18
100-42-5	Styrene	ND		8000	8750	109	8000	8860	111	1	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		8000	10300	129* [a]	8000	10100	126	2	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		8000	9610	120	8000	9660	121	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		8000	9350	117	8000	9340	117	0	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		8000	8250	103	8000	8310	104	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		8000	9210	115	8000	9260	116	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		8000	9690	121	8000	9650	121	0	77-129/17
127-18-4	Tetrachloroethylene	61.1		8000	8550	106	8000	8610	107	1	69-127/20
108-88-3	Toluene	ND		8000	9050	113	8000	9160	115	1	75-122/17
79-01-6	Trichloroethylene	3450		8000	12600	114	8000	12500	113	1	78-123/17
75-69-4	Trichlorofluoromethane	ND		8000	10000	125	8000	10100	126	1	65-136/23
75-01-4	Vinyl chloride	11400 [c]		8000	21800	130	8000	21900	131	0	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35519
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35585-1MS	W47863.D	400	08/25/14	JC	n/a	n/a	VW1720
C35585-1MSD	W47864.D	400	08/25/14	JC	n/a	n/a	VW1720
C35585-1	W47862.D	40	08/25/14	JC	n/a	n/a	VW1720
C35585-1	W47861.D	400	08/25/14	JC	n/a	n/a	VW1720

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35519-32, C35519-33

CAS No.	Compound	C35585-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		16000	18000	113	16000	18200	114	1	76-125/17
95-47-6	o-Xylene	ND		8000	9230	115	8000	9340	117	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C35585-1	C35585-1	Limits
1868-53-7	Dibromofluoromethane	112%	112%	118%	115%	70-130%
2037-26-5	Toluene-D8	103%	104%	106%	106%	70-130%
460-00-4	4-Bromofluorobenzene	104%	103%	103%	104%	70-130%

(a) Outside laboratory control limits.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Result is from Run #2.

* = 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: C35519
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP6754/GN14375	3.0	0.0	ug/l	25	24.0	96.0	85-115%
Perchlorate	GP6755/GN14376	3.0	0.0	ug/l	25	23.0	92.0	85-115%
Perchlorate	GP6760/GN14381	3.0	0.0	ug/l	25	23.0	92.0	85-115%
Specific Conductivity	GN14310	1.0	0.0	umhos/cm				
Specific Conductivity	GN14332	1.0	0.0	umhos/cm				
Specific Conductivity	GN14334	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP6754: C35519-1, C35519-2, C35519-3, C35519-4, C35519-5, C35519-6, C35519-7, C35519-8, C35519-9, C35519-10, C35519-11, C35519-12, C35519-13, C35519-14, C35519-15, C35519-16, C35519-17, C35519-18, C35519-19, C35519-24
Batch GP6755: C35519-20, C35519-21, C35519-22, C35519-23, C35519-25, C35519-26, C35519-27, C35519-28, C35519-30, C35519-31
Batch GP6760: C35519-29
Batch GN14310: C35519-1, C35519-2, C35519-3, C35519-4, C35519-5, C35519-6, C35519-7
Batch GN14332: C35519-8, C35519-9, C35519-10, C35519-11, C35519-12, C35519-13, C35519-14, C35519-15, C35519-16, C35519-17, C35519-18, C35519-19, C35519-20, C35519-21, C35519-22, C35519-23, C35519-24, C35519-25, C35519-26, C35519-27
Batch GN14334: C35519-28, C35519-29, C35519-30, C35519-31
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35519
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP6754/GN14375	ug/l	25	23.7	1.3	
Perchlorate	GP6755/GN14376	ug/l	25	23.5	2.2	
Perchlorate	GP6760/GN14381	ug/l	25	25.1	8.7	

Associated Samples:
Batch GP6754: C35519-1, C35519-2, C35519-3, C35519-4, C35519-5, C35519-6, C35519-7, C35519-8, C35519-9, C35519-10, C35519-11, C35519-12, C35519-13, C35519-14, C35519-15, C35519-16, C35519-17, C35519-18, C35519-19, C35519-24
Batch GP6755: C35519-20, C35519-21, C35519-22, C35519-23, C35519-25, C35519-26, C35519-27, C35519-28, C35519-30, C35519-31
Batch GP6760: C35519-29
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35519
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN14310	C35581-21	umhos/cm	550	548	0.4	0-10%
Specific Conductivity	GN14332	C35519-9	umhos/cm	242	245	1.2	0-10%
Specific Conductivity	GN14332	C35519-24	umhos/cm	406	410	1.0	0-10%
Specific Conductivity	GN14334	C35523-2	umhos/cm	1620	1620	0.4	0-10%

Associated Samples:
Batch GN14310: C35519-1, C35519-2, C35519-3, C35519-4, C35519-5, C35519-6, C35519-7
Batch GN14332: C35519-8, C35519-9, C35519-10, C35519-11, C35519-12, C35519-13, C35519-14, C35519-15, C35519-16, C35519-17, C35519-18, C35519-19, C35519-20, C35519-21, C35519-22, C35519-23, C35519-24, C35519-25, C35519-26, C35519-27
Batch GN14334: C35519-28, C35519-29, C35519-30, C35519-31
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35519
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP6754/GN14375	C35519-24	ug/l	3.5	25	25.1	86.4	80-120%
Perchlorate	GP6755/GN14376	C35523-2	ug/l	2.1	25	25.9	95.2	80-120%
Perchlorate	GP6760/GN14381	C35656-3	ug/l	0.0	25	23.5	94.0	80-120%

Associated Samples:
Batch GP6754: C35519-1, C35519-2, C35519-3, C35519-4, C35519-5, C35519-6, C35519-7, C35519-8, C35519-9, C35519-10, C35519-11, C35519-12, C35519-13, C35519-14, C35519-15, C35519-16, C35519-17, C35519-18, C35519-19, C35519-24
Batch GP6755: C35519-20, C35519-21, C35519-22, C35519-23, C35519-25, C35519-26, C35519-27, C35519-28, C35519-30, C35519-31
Batch GP6760: C35519-29
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35519
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP6754/GN14375	C35519-24	ug/l	3.5	25	25.1	0.0	15%
Perchlorate	GP6755/GN14376	C35523-2	ug/l	2.1	25	26.1	0.8	15%
Perchlorate	GP6760/GN14381	C35656-3	ug/l	0.0	25	22.6	3.9	15%

Associated Samples:
Batch GP6754: C35519-1, C35519-2, C35519-3, C35519-4, C35519-5, C35519-6, C35519-7, C35519-8, C35519-9, C35519-10, C35519-11, C35519-12, C35519-13, C35519-14, C35519-15, C35519-16, C35519-17, C35519-18, C35519-19, C35519-24
Batch GP6755: C35519-20, C35519-21, C35519-22, C35519-23, C35519-25, C35519-26, C35519-27, C35519-28, C35519-30, C35519-31
Batch GP6760: C35519-29
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
ACCUTEST
LABORATORIES

09/30/14

Technical Report for

United Technology Corporation

ENSTNM: UTC RFF Superfund Site - Rialto, CA

088815569

Accutest Job Number: C35581

Sampling Dates: 08/15/14 - 08/19/14

Report to:

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Total number of pages in report: **109**

NELAP ACCREDITED TNI LABORATORY

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

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Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925) DoD ELAP (L-A-B L2242)

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Accutest Laboratories

Sample Summary

United Technology Corporation

Job No: C35581

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 088815569

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C35581-1	08/15/14	07:35	RO	08/20/14	AQ	Ground Water	5W13B3G550
C35581-2	08/15/14	08:20	RO	08/20/14	AQ	Ground Water	5W13B4G430
C35581-3	08/15/14	08:35	RO	08/20/14	AQ	Ground Water	5W13B5G280
C35581-4	08/15/14	09:25	RO	08/20/14	AQ	Ground Water	4W8E1G980
C35581-5	08/15/14	09:25	RO	08/20/14	AQ	Ground Water	4W8E1H980
C35581-6	08/15/14	09:55	RO	08/20/14	AQ	Ground Water	4W8E2G760
C35581-7	08/15/14	10:10	RO	08/20/14	AQ	Ground Water	4W8E3G587
C35581-8	08/15/14	10:20	RO	08/20/14	AQ	Ground Water	4W8E4G320
C35581-9	08/15/14	11:20	RO	08/20/14	AQ	Ground Water	5W11F3G432
C35581-10	08/15/14	11:30	RO	08/20/14	AQ	Ground Water	5W11F4G320
C35581-11	08/15/14	12:10	RO	08/20/14	AQ	Ground Water	5W3A6G510
C35581-12	08/15/14	12:25	RO	08/20/14	AQ	Ground Water	5W3A7G410
C35581-13	08/15/14	12:38	RO	08/20/14	AQ	Field Blank Water	FB1081514

Accutest Laboratories

Sample Summary
(continued)

United Technology Corporation

Job No: C35581

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 088815569

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C35581-14	08/18/14	07:30	RO	08/20/14	AQ	Ground Water	5W11F1G940
C35581-15	08/18/14	08:50	RO	08/20/14	AQ	Ground Water	PW11G750
C35581-16	08/18/14	09:20	RO	08/20/14	AQ	Ground Water	PW11G695
C35581-17	08/18/14	09:20	RO	08/20/14	AQ	Ground Water	PW11H695
C35581-18	08/18/14	09:55	RO	08/20/14	AQ	Ground Water	PW11G560
C35581-18D	08/18/14	09:55	RO	08/20/14	AQ	Water Dup/MSD	PW11G560
C35581-18S	08/18/14	09:55	RO	08/20/14	AQ	Water Matrix Spike	PW11G560
C35581-19	08/18/14	10:20	RO	08/20/14	AQ	Ground Water	PW11G450
C35581-20	08/18/14	10:40	RO	08/20/14	AQ	Ground Water	PW11G355
C35581-21	08/18/14	12:00	RO	08/20/14	AQ	Ground Water	MP2G764
C35581-22	08/18/14	13:10	RO	08/20/14	AQ	Ground Water	MP2G714
C35581-23	08/18/14	13:35	RO	08/20/14	AQ	Ground Water	MP2G614
C35581-24	08/18/14	13:50	RO	08/20/14	AQ	Equipment Blank	EB1081814

Accutest Laboratories

Sample Summary
(continued)

United Technology Corporation

Job No: C35581

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 088815569

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C35581-25	08/19/14	00:00	RO	08/20/14	AQ	Trip Blank Water	TB1081914

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C35581
Site:	ENSTNM: UTC RFF Superfund Site - Rialto, CA	**Report Date**	9/3/2014 10:39:14 PM

23 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were collected between 08/15/2014 and 08/19/2014 and were received at Accutest on 08/20/2014 properly preserved, at 3.5 Deg. C. These Samples received an Accutest job number of C35581. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report. Sample C35581-2 (5W13B4G430): HCL vials were broken during shipment. VOC analysis could not be performed for this sample; client notified.

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:** VW1718

- Sample(s) C35519-24MS, C35519-24MSD were used as the QC samples indicated.
- Sample(s) C35581-1, C35581-3, C35581-4, C35581-5, C35581-6, C35581-7 have Isopropyl Alcohol reported with a “B” qualifier, indicating analyte is found in the associated method blank.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethylene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromoethane, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, Benzene, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, cis-1,2-Dichloroethylene, cis-1,3-Dichloropropene, Ethylbenzene, Hexachlorobutadiene, m,p-Xylene, m-Dichlorobenzene, Methyl bromide, Methylene chloride, o-Dichlorobenzene, o-Xylene, p-Dichlorobenzene, Styrene, Tetrachloroethylene, Toluene, trans-1,3-Dichloropropene, Trichloroethylene, Trichlorofluoromethane, Vinyl chloride, Isopropyl Alcohol are outside control limits (high bias). Associated BS/BSD spike recoveries were acceptable.
- RPD(s) for MSD for Isopropyl Alcohol are outside laboratory control limits for sample C35519-24MSD.

Matrix: AQ **Batch ID:** VW1719

- Sample(s) C35581-18MS, C35581-18MSD were used as the QC samples indicated.
- Sample(s) C35581-8, C35581-9, C35581-11, C35581-12, C35581-13, C35581-14, C35581-15, C35581-16, C35581-17, C35581-20, C35581-21, C35581-22, C35581-23, C35581-24, C35581-25 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP6744

- Sample(s) C35581-18MS, C35581-18MSD were used as the QC samples for Perchlorate.

Matrix: AQ **Batch ID:** GP6745

- Sample(s) C35602-2MS, C35602-2MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM2510 B-97

Matrix: AQ **Batch ID:** GN14309

- Sample(s) C35581-18DUP, C35581-1DUP were used as the QC samples for Specific Conductivity.

Matrix: AQ **Batch ID:** GN14310

- Sample(s) C35581-21DUP 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: C35581
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 08/15/14 thru 08/19/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C35581-1	**5W13B3G550**					
Isopropyl Alcohol		69.3 JB	100	5.0	ug/l	SW846 8260B
Tetrachloroethylene		0.95 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		260	1.0	1.0	umhos/cm	SM2510 B-97
C35581-2	**5W13B4G430**					
Perchlorate		3.4	1.0	0.31	ug/l	EPA 314
Specific Conductivity		422	1.0	1.0	umhos/cm	SM2510 B-97
C35581-3	**5W13B5G280**					
Isopropyl Alcohol		32.3 JB	100	5.0	ug/l	SW846 8260B
Perchlorate		38.3	1.0	0.31	ug/l	EPA 314
Specific Conductivity		361	1.0	1.0	umhos/cm	SM2510 B-97
C35581-4	**4W8E1G980**					
Isopropyl Alcohol		25.1 JB	100	5.0	ug/l	SW846 8260B
Toluene		0.34 J	1.0	0.20	ug/l	SW846 8260B
Specific Conductivity		457	1.0	1.0	umhos/cm	SM2510 B-97
C35581-5	**4W8E1H980**					
Isopropyl Alcohol		19.2 JB	100	5.0	ug/l	SW846 8260B
Toluene		0.32 J	1.0	0.20	ug/l	SW846 8260B
Specific Conductivity		455	1.0	1.0	umhos/cm	SM2510 B-97
C35581-6	**4W8E2G760**					
Isopropyl Alcohol		26.9 JB	100	5.0	ug/l	SW846 8260B
Toluene		0.37 J	1.0	0.20	ug/l	SW846 8260B
Specific Conductivity		311	1.0	1.0	umhos/cm	SM2510 B-97
C35581-7	**4W8E3G587**					
1,2-Dichloroethane		0.98 J	1.0	0.20	ug/l	SW846 8260B
Isopropyl Alcohol		29.5 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		392	1.0	1.0	umhos/cm	SM2510 B-97
C35581-8	**4W8E4G320**					
Isopropyl Alcohol		28.7 JB	100	5.0	ug/l	SW846 8260B
Methyl chloride		0.32 J	1.0	0.30	ug/l	SW846 8260B

Summary of Hits

Job Number: C35581
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 08/15/14 thru 08/19/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Specific Conductivity		421	1.0	1.0	umhos/cm	SM2510 B-97
C35581-9	**5W11F3G432**					
Isopropyl Alcohol		8.8 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		319	1.0	1.0	umhos/cm	SM2510 B-97
C35581-10	**5W11F4G320**					
Chloroform		0.30 J	1.0	0.20	ug/l	SW846 8260B
Tetrachloroethylene		0.50 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		281	1.0	1.0	umhos/cm	SM2510 B-97
C35581-11	**5W3A6G510**					
Isopropyl Alcohol		8.6 JB	100	5.0	ug/l	SW846 8260B
Methyl chloride		0.36 J	1.0	0.30	ug/l	SW846 8260B
Trichloroethylene		13.2	1.0	0.20	ug/l	SW846 8260B
Perchlorate		205	10	3.1	ug/l	EPA 314
Specific Conductivity		242	1.0	1.0	umhos/cm	SM2510 B-97
C35581-12	**5W3A7G410**					
Isopropyl Alcohol		8.5 JB	100	5.0	ug/l	SW846 8260B
Perchlorate		2.0	1.0	0.31	ug/l	EPA 314
Specific Conductivity		172	1.0	1.0	umhos/cm	SM2510 B-97
C35581-13	**FB1081514**					
Isopropyl Alcohol		6.7 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		1.7	1.0	1.0	umhos/cm	SM2510 B-97
C35581-14	**5W11F1G940**					
Isopropyl Alcohol		17.4 JB	100	5.0	ug/l	SW846 8260B
Toluene		0.48 J	1.0	0.20	ug/l	SW846 8260B
Specific Conductivity		399	1.0	1.0	umhos/cm	SM2510 B-97
C35581-15	**PW11G750**					
Isopropyl Alcohol		10.5 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		261	1.0	1.0	umhos/cm	SM2510 B-97

Summary of Hits

Job Number: C35581
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 08/15/14 thru 08/19/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C35581-16	**PW11G695**					
Isopropyl Alcohol		10.9 JB	100	5.0	ug/l	SW846 8260B
Perchlorate		0.62 B	1.0	0.31	ug/l	EPA 314
Specific Conductivity		364	1.0	1.0	umhos/cm	SM2510 B-97
C35581-17	**PW11H695**					
Isopropyl Alcohol		8.1 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		361	1.0	1.0	umhos/cm	SM2510 B-97
C35581-18	**PW11G560**					
Perchlorate		0.94 B	1.0	0.31	ug/l	EPA 314
Specific Conductivity		291	1.0	1.0	umhos/cm	SM2510 B-97
C35581-19	**PW11G450**					
Perchlorate		6.4	1.0	0.31	ug/l	EPA 314
Specific Conductivity		318	1.0	1.0	umhos/cm	SM2510 B-97
C35581-20	**PW11G355**					
Isopropyl Alcohol		6.7 JB	100	5.0	ug/l	SW846 8260B
Trichloroethylene		0.55 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		23.4	1.0	0.31	ug/l	EPA 314
Specific Conductivity		502	1.0	1.0	umhos/cm	SM2510 B-97
C35581-21	**MP2G764**					
Isopropyl Alcohol		8.0 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		550	1.0	1.0	umhos/cm	SM2510 B-97
C35581-22	**MP2G714**					
Isopropyl Alcohol		5.9 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		319	1.0	1.0	umhos/cm	SM2510 B-97
C35581-23	**MP2G614**					
Isopropyl Alcohol		8.1 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		255	1.0	1.0	umhos/cm	SM2510 B-97

Summary of Hits

Job Number: C35581
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 08/15/14 thru 08/19/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C35581-24	**EB1081814**					
Isopropyl Alcohol		11.6 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		1.6	1.0	1.0	umhos/cm	SM2510 B-97
C35581-25	**TB1081914**					
Isopropyl Alcohol		7.4 JB	100	5.0	ug/l	SW846 8260B

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	5W13B3G550		
Lab Sample ID:	C35581-1	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47803.D	1	08/23/14	JC	n/a	n/a	VW1718
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	69.3	100	5.0	ug/l	JB
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	0.95	1.0	0.30	ug/l	J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W13B3G550		
Lab Sample ID:	C35581-1	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	109%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W13B3G550		
Lab Sample ID:	C35581-1	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/26/14 14:51	PH	EPA 314
Specific Conductivity	260	1.0	1.0	umhos/cm	1	08/25/14 12:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	5W13B4G430		
Lab Sample ID:	C35581-2	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	3.4	1.0	0.31	ug/l	1	08/26/14 15:09	PH	EPA 314
Specific Conductivity	422	1.0	1.0	umhos/cm	1	08/25/14 12:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	5W13B5G280		
Lab Sample ID:	C35581-3	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47804.D	1	08/23/14	JC	n/a	n/a	VW1718
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	32.3	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W13B5G280		
Lab Sample ID:	C35581-3	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	108%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W13B5G280		
Lab Sample ID:	C35581-3	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	38.3	1.0	0.31	ug/l	1	08/26/14 15:26	PH	EPA 314
Specific Conductivity	361	1.0	1.0	umhos/cm	1	08/25/14 12:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	4W8E1G980		
Lab Sample ID:	C35581-4	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47805.D	1	08/23/14	JC	n/a	n/a	VW1718
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	25.1	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4W8E1G980		
Lab Sample ID:	C35581-4	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	0.34	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	106%		70-130%
2037-26-5	Toluene-D8	110%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4W8E1G980		
Lab Sample ID:	C35581-4	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/26/14 15:44	PH	EPA 314
Specific Conductivity	457	1.0	1.0	umhos/cm	1	08/25/14 12:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	4W8E1H980		
Lab Sample ID:	C35581-5	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47806.D	1	08/23/14	JC	n/a	n/a	VW1718
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	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4W8E1H980		
Lab Sample ID:	C35581-5	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	0.32	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	110%		70-130%
2037-26-5	Toluene-D8	108%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4W8E1H980		
Lab Sample ID:	C35581-5	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/26/14 16:01	PH	EPA 314
Specific Conductivity	455	1.0	1.0	umhos/cm	1	08/25/14 12:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	4W8E2G760		
Lab Sample ID:	C35581-6	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47807.D	1	08/23/14	JC	n/a	n/a	VW1718
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	26.9	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4W8E2G760		
Lab Sample ID:	C35581-6	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	0.37	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	109%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4W8E2G760		
Lab Sample ID:	C35581-6	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/26/14 16:53	PH	EPA 314
Specific Conductivity	311	1.0	1.0	umhos/cm	1	08/25/14 12:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	4W8E3G587		
Lab Sample ID:	C35581-7	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47808.D	1	08/23/14	JC	n/a	n/a	VW1718
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	0.98	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	29.5	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4W8E3G587		
Lab Sample ID:	C35581-7	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	110%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4W8E3G587		
Lab Sample ID:	C35581-7	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/26/14 17:11	PH	EPA 314
Specific Conductivity	392	1.0	1.0	umhos/cm	1	08/25/14 12:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	4W8E4G320		
Lab Sample ID:	C35581-8	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47818.D	1	08/24/14	JC	n/a	n/a	VW1719
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	28.7	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4W8E4G320		
Lab Sample ID:	C35581-8	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	106%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4W8E4G320		
Lab Sample ID:	C35581-8	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/26/14 17:28	PH	EPA 314
Specific Conductivity	421	1.0	1.0	umhos/cm	1	08/25/14 12:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	5W11F3G432		
Lab Sample ID:	C35581-9	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47819.D	1	08/24/14	JC	n/a	n/a	VW1719
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	8.8	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W11F3G432		
Lab Sample ID:	C35581-9	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W11F3G432		
Lab Sample ID:	C35581-9	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/26/14 17:45	PH	EPA 314
Specific Conductivity	319	1.0	1.0	umhos/cm	1	08/25/14 12:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	5W11F4G320		
Lab Sample ID:	C35581-10	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47820.D	1	08/24/14	JC	n/a	n/a	VW1719
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	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	0.50	1.0	0.30	ug/l	J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W11F4G320		
Lab Sample ID:	C35581-10	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	106%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W11F4G320		
Lab Sample ID:	C35581-10	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/26/14 18:03	PH	EPA 314
Specific Conductivity	281	1.0	1.0	umhos/cm	1	08/25/14 12:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	5W3A6G510		
Lab Sample ID:	C35581-11	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47821.D	1	08/24/14	JC	n/a	n/a	VW1719
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	8.6	100	5.0	ug/l	JB
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.36	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W3A6G510		
Lab Sample ID:	C35581-11	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	13.2	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	106%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W3A6G510		
Lab Sample ID:	C35581-11	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	205	10	3.1	ug/l	10	08/27/14 14:05	PH	EPA 314
Specific Conductivity	242	1.0	1.0	umhos/cm	1	08/25/14 12:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	5W3A7G410		
Lab Sample ID:	C35581-12	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47822.D	1	08/24/14	JC	n/a	n/a	VW1719
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	8.5	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W3A7G410		
Lab Sample ID:	C35581-12	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W3A7G410		
Lab Sample ID:	C35581-12	**Date Sampled:**	08/15/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	2.0	1.0	0.31	ug/l	1	08/26/14 18:38	PH	EPA 314
Specific Conductivity	172	1.0	1.0	umhos/cm	1	08/25/14 12:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	FB1081514		
Lab Sample ID:	C35581-13	**Date Sampled:**	08/15/14
Matrix:	AQ - Field Blank Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47823.D	1	08/24/14	JC	n/a	n/a	VW1719
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	6.7	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB1081514		
Lab Sample ID:	C35581-13	**Date Sampled:**	08/15/14
Matrix:	AQ - Field Blank Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	106%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB1081514		
Lab Sample ID:	C35581-13	**Date Sampled:**	08/15/14
Matrix:	AQ - Field Blank Water	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/26/14 18:55	PH	EPA 314
Specific Conductivity	1.7	1.0	1.0	umhos/cm	1	08/25/14 12:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	5W11F1G940		
Lab Sample ID:	C35581-14	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47824.D	1	08/24/14	JC	n/a	n/a	VW1719
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	17.4	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W11F1G940		
Lab Sample ID:	C35581-14	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	0.48	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	105%		70-130%
2037-26-5	Toluene-D8	107%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W11F1G940		
Lab Sample ID:	C35581-14	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/26/14 19:13	PH	EPA 314
Specific Conductivity	399	1.0	1.0	umhos/cm	1	08/25/14 12:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW11G750		
Lab Sample ID:	C35581-15	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47825.D	1	08/24/14	JC	n/a	n/a	VW1719
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	10.5	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G750		
Lab Sample ID:	C35581-15	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	105%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G750		
Lab Sample ID:	C35581-15	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/26/14 19:30	PH	EPA 314
Specific Conductivity	261	1.0	1.0	umhos/cm	1	08/25/14 12:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW11G695		
Lab Sample ID:	C35581-16	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47826.D	1	08/24/14	JC	n/a	n/a	VW1719
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	10.9	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G695		
Lab Sample ID:	C35581-16	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	105%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G695		
Lab Sample ID:	C35581-16	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.62 B	1.0	0.31	ug/l	1	08/26/14 20:22	PH	EPA 314
Specific Conductivity	364	1.0	1.0	umhos/cm	1	08/25/14 12:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW11H695		
Lab Sample ID:	C35581-17	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47827.D	1	08/24/14	JC	n/a	n/a	VW1719
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	8.1	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11H695		
Lab Sample ID:	C35581-17	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11H695		
Lab Sample ID:	C35581-17	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/26/14 20:40	PH	EPA 314
Specific Conductivity	361	1.0	1.0	umhos/cm	1	08/25/14 12:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW11G560		
Lab Sample ID:	C35581-18	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47828.D	1	08/24/14	JC	n/a	n/a	VW1719
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G560		
Lab Sample ID:	C35581-18	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	107%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G560		
Lab Sample ID:	C35581-18	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.94 B	1.0	0.31	ug/l	1	08/26/14 20:57	PH	EPA 314
Specific Conductivity	291	1.0	1.0	umhos/cm	1	08/25/14 12:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW11G450		
Lab Sample ID:	C35581-19	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47829.D	1	08/24/14	JC	n/a	n/a	VW1719
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G450		
Lab Sample ID:	C35581-19	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	107%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G450		
Lab Sample ID:	C35581-19	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	6.4	1.0	0.31	ug/l	1	08/26/14 21:49	PH	EPA 314
Specific Conductivity	318	1.0	1.0	umhos/cm	1	08/25/14 12:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW11G355		
Lab Sample ID:	C35581-20	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47830.D	1	08/24/14	JC	n/a	n/a	VW1719
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	6.7	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G355		
Lab Sample ID:	C35581-20	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	0.55	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	106%		70-130%
2037-26-5	Toluene-D8	108%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G355		
Lab Sample ID:	C35581-20	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	23.4	1.0	0.31	ug/l	1	08/27/14 12:03	PH	EPA 314
Specific Conductivity	502	1.0	1.0	umhos/cm	1	08/25/14 12:00	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP2G764		
Lab Sample ID:	C35581-21	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47831.D	1	08/24/14	JC	n/a	n/a	VW1719
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	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G764		
Lab Sample ID:	C35581-21	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	107%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G764		
Lab Sample ID:	C35581-21	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/27/14 12:20	PH	EPA 314
Specific Conductivity	550	1.0	1.0	umhos/cm	1	08/25/14 13:45	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP2G714		
Lab Sample ID:	C35581-22	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47832.D	1	08/24/14	JC	n/a	n/a	VW1719
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	5.9	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G714		
Lab Sample ID:	C35581-22	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	107%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G714		
Lab Sample ID:	C35581-22	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/27/14 12:38	PH	EPA 314
Specific Conductivity	319	1.0	1.0	umhos/cm	1	08/25/14 13:45	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP2G614		
Lab Sample ID:	C35581-23	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47833.D	1	08/24/14	JC	n/a	n/a	VW1719
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	8.1	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G614		
Lab Sample ID:	C35581-23	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	107%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G614		
Lab Sample ID:	C35581-23	**Date Sampled:**	08/18/14
Matrix:	AQ - Ground Water	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/27/14 12:55	PH	EPA 314
Specific Conductivity	255	1.0	1.0	umhos/cm	1	08/25/14 13:45	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	EB1081814		
Lab Sample ID:	C35581-24	**Date Sampled:**	08/18/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47834.D	1	08/24/14	JC	n/a	n/a	VW1719
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	11.6	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB1081814		
Lab Sample ID:	C35581-24	**Date Sampled:**	08/18/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	107%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB1081814		
Lab Sample ID:	C35581-24	**Date Sampled:**	08/18/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/20/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	08/27/14 13:13	PH	EPA 314
Specific Conductivity	1.6	1.0	1.0	umhos/cm	1	08/25/14 13:45	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	TB1081914		
Lab Sample ID:	C35581-25	**Date Sampled:**	08/19/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47835.D	1	08/24/14	JC	n/a	n/a	VW1719
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	7.4	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB1081914		
Lab Sample ID:	C35581-25	**Date Sampled:**	08/19/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/20/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	108%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range 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

CHAIN OF CUSTODY

ACCUTEST® LABORATORIES
2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

1 of 3

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest NC Job #: C C35581

Client / Reporting Information

Company Name: ENSAFE INC
Address: 2151 SALVIO ST #311
City: CONCORD State: CA Zip: 94520
Project Contact: JOSH TEVES
Phone #: 925 305 2109
Samplers's Name: Ricky Villarreal

Project Information

Project Name: UTC RFF SUPERFUND
Street: —
City: — State: —
Project #: 08888155 69
EMAIL: JTEVES@ENSAFE.COM
Client Purchase Order #: 17-343

Requested Analysis

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	EnCore	VOCs (8260B)	PERCHLORATE (E314)
1	SW13B36550	8-15-14	7:35	RV	GW	4	3				1				X	X
2	SW13B46430	8-15-14	8:20	RV	GW	~~4~~ 3	3	0			1				X	X
3	SW13B56280	8-15-14	8:35	RV	GW	4	3				1				X	X
4	4W8E1G980	8-15-14	9:25	RV	GW	4	3				1				X	X
5	4W8E1H980	8-15-14	9:25	RV	GW	4	3				1				X	X
6	4W8E2G760	8-15-14	9:55	RV	GW	4	3				1				X	X
7	4W8E3G587	8-15-14	10:10	RV	GW	4	3				1				X	X
8	4W8E4G320	8-15-14	10:20	RV	GW	4	3				1				X	X
9	SW11F3G432	8-15-14	11:20	RV	GW	4	3				1				X	X
10	SW11F4G320	8-15-14	11:30	RV	GW	4	3				1				X	X

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI-Oil; WP-Wipe; LIQ - Non-aqueous Liquid; AIR; DW- Drinking Water (Perchlorate Only)

LAB USE ONLY

Turnaround Time (Business days)

- [X] 10 Day
- [ ] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day
- [ ] Same Day

Approved By:/ Date: R.V. per CSR

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:
- [X] ENSAFE 3-FILE EQUIS

Comments / Remarks

NORMAL RLs with J-FLAGS
Rush preliminary Electronic data summaries
PDF DATA PACKAGE - Level 2

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Ricky Villarreal	8-15-14 9:30	8-19 0930			
2					8-19 1030	Fedex
3	Fedex	8/20/14 1035				
4						
5						

Custody Seal #:
Appropriate Bottle / Pres. Y / N
Labels match Coc? Y / N
Headspace Y / N
Separate Receiving Check List used: Y / N
On Ice Y / N
Cooler Temp. 3.8-0.3=3.5 °C

IRVINE

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C35581: Chain of Custody
Page 1 of 5

CHAIN OF CUSTODY

ACCUTEST® LABORATORIES
2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

2 of 3

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest NC Job #: C: C35581

Client / Reporting Information

Company Name: ENSAFE, INC.
Address: 2151 SALVIO ST #301
City: CONCORD State: CA Zip: 94520
Project Contact: Josh TEVES
Phone #: 925 305 2109
Samplers's Name: Ricky VILLAREAL

Project Information

Project Name: UTC PFF SUPERFUND
Street: —
City: — State: —
Project #: 08888 15569
EMAIL: JTEVES@ENSAFE.com
Client Purchase Order #: 17343

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	Jocs (8260B)	Perchlorate (E314)
11	SW3A6G510	8-15-14	12:10	RV	GW	4	3				1				X	X
12	SW3A7G410	8-15-14	12:25	RV	GW	4	3				1				X	X
13	FB1 081514	8-15-14	12:38	RV	WQ	~~4~~ 3	3				1				X	X
14	SW11F1G940	8-18-14	7:30	RV	GW	4	3				1				X	X
15	PW11G750	8-18-14	8:50	RV	GW	4	3				1				X	X
16	PW11G695	8-18-14	9:20	RV	GW	4	3				1				X	X
17	PW11H695	8-18-14	9:20	RV	GW	4	3				1				X	X
18	PW11G560	8-18-14	9:55	RV	GW	12	9				3				X	X
19	PW11G450	8-18-14	10:20	RV	GW	4	3				1				X	X
20	PW11G355	8-18-14	10:40	RV	GW	4	3				1				X	X

Requested Analysis

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI-Oil; WP-Wipe; LIQ - Non-aqueous Liquid; A/R; DW- Drinking Water (Perchlorate Only)

LAB USE ONLY

Turnaround Time (Business days)

- [X] 10 Day
- [ ] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day
- [ ] Same Day

Approved By:/ Date: R.V. PFR 15R

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:
- [X] ENSAFE 3-FILE EQUIS

Comments / Remarks

WQ: WATER QUALITY CONTROL MATRIX, EXTRA VOLUME FOR PW11G560 IS FOR MS/MSD
NORMAL RLs with J-FLAGS
RUSH PRELIMINARY ELECTRONIC DATA SUMMARIES
PDF DATA PACKAGE - Level 2

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 Ricky Villareal	8-19-14 9:30	1	2	8-19 1030	2 Fedex
Relinquished by: 3 Fedex	Date Time: 8/20/14 0935	Received By: 4	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

Appropriate Bottle / Pres. Y / N Headspace Y / N On Ice Y / N Cooler Temp. ___ °C
Labels match Coc? Y / N Separate Receiving Check List used: Y / N

IRVINE

5.1 5

C35581: Chain of Custody
Page 2 of 5

CHAIN OF CUSTODY

ACCUTEST® LABORATORIES
2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

3 of 3

FEDEX Tracking # 8020 0829 6745
Bottle Order Control #
Accutest Quote #
Accutest NC Job #: C C35581

Client / Reporting Information

Company Name: ENSAFE, INC.
Address: 2151 SALVIO ST #301
City: CONCORD State: CA Zip: 94520
Project Contact: JOSH TEVES
Phone #: 925 305 2109
Samplers's Name: Ricky VILLARREAL

Project Information

Project Name: UTC RFP SUPERFUND
Street: —
City: — State: —
Project #: 08888 15569
EMAIL: JTEVES@ENSAFE.COM
Client Purchase Order #: 17343

Requested Analysis

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	Na2S2O3	MEOH	ENCORE	VOCs (8260B)	PER Chlorate (E314)
21	MP2G764	8-18-14	12:00	RV	GW	4	3				1				X	X
22	MP2G714	8-18-14	13:10	RV	GW	4	3				1				X	X
23	MP2G614	8-18-14	13:35	RV	GW	4	3				1				X	X
24	EB1081814	8-18-14	13:50	RV	WQ	4	3				1				X	X
25	TB1081914	8-19-14		RV	WQ	3	3								X	

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; Ol-Oil; WP-Wipe; LIQ - Non-aqueous Liquid; AIR; DW- Drinking Water (Perchlorate Only)

LAB USE ONLY

Turnaround Time (Business days)

- [X] 10 Day
- [ ] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day
- [ ] Same Day

Approved By/ Date: R.V. PER LSK

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:
- [X] ENSAFE 3-FILE EQUIS

Comments / Remarks

WQ: WATER quality control MATRIX
NORMAL RLs with J- FLAGS
Rush /PRELIMINARY Electronic data summaries
PDF DATA PACKAGE - Level 2

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Ricky Villarreal	8-19-14 1:50	8-19 0930		8-19 1030	2 Fedex
3	Fedex	8/20/14 1035				4
5						

Custody Seal #
Appropriate Bottle / Pres. Y/N Headspace Y/N On Ice Y/N Cooler Temp. 3.8-0.3=3.5 °C
Labels match Coc? Y / N Separate Receiving Check List used: Y / N

IRVINE

5.1 5

C35581: Chain of Custody
Page 3 of 5

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C35581 **Client:** ENSAFE **Project:** UTC RFF SUPERFUND

Date / Time Received: 8/20/2014 **Delivery Method:** FedEx **Airbill #'s:** 802008296795

Cooler Temps (Initial/Adjusted): #1: (3.8/3.5);

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	IR Gun	
3. Cooler media:	Ice (Bag)	
4. No, Coolers	1	

Quality Control Preservation	Y	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	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	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 All vials for sample C35581-2 "5W13B4G430" were recieved broken in FedEx Shipment

Accutest Laboratories
V:408.588.0200

2105 Lundy Avenue
F: 408.588.0201

San Jose, CA 95131
www/accutest.com

Sample Receipt Summary - Problem Resolution

Accutest Job Number: C35581

CSR: Elvin Kumar **Response Date:** 8/21/2014

Response: Client may re-sample 5W13B4G430 at a later date

Accutest Laboratories
V:408.588.0200

2105 Lundy Avenue
F: 408.588.0201

San Jose, CA 95131
www/accutest.com

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: C35581
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1718-MB	W47793.D	1	08/23/14	JC	n/a	n/a	VW1718

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35581-1, C35581-3, C35581-4, C35581-5, C35581-6, C35581-7

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 [a]	6.1	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	
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: C35581
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1718-MB	W47793.D	1	08/23/14	JC	n/a	n/a	VW1718

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35581-1, C35581-3, C35581-4, C35581-5, C35581-6, C35581-7

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	103%	70-130%
2037-26-5	Toluene-D8	108%	70-130%
460-00-4	4-Bromofluorobenzene	104%	70-130%

(a) Associated sample(s) with "B" qualifiers indicate analyte is found at concentrations less than 10 times of method blank.

Method Blank Summary

Job Number: C35581
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1719-MB	W47817.D	1	08/24/14	JC	n/a	n/a	VW1719

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35581-8, C35581-9, C35581-10, C35581-11, C35581-12, C35581-13, C35581-14, C35581-15, C35581-16, C35581-17, C35581-18, C35581-19, C35581-20, C35581-21, C35581-22, C35581-23, C35581-24, C35581-25

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 [a]	6.6	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	
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: C35581
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1719-MB	W47817.D	1	08/24/14	JC	n/a	n/a	VW1719

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35581-8, C35581-9, C35581-10, C35581-11, C35581-12, C35581-13, C35581-14, C35581-15, C35581-16, C35581-17, C35581-18, C35581-19, C35581-20, C35581-21, C35581-22, C35581-23, C35581-24, C35581-25

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	101%	70-130%
2037-26-5	Toluene-D8	105%	70-130%
460-00-4	4-Bromofluorobenzene	99%	70-130%

(a) Associated sample(s) with "B" qualifiers indicate analyte is found at concentrations less than 10 times of method blank.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35581
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1718-BS	W47790.D	1	08/23/14	JC	n/a	n/a	VW1718
VW1718-BSD	W47791.D	1	08/23/14	JC	n/a	n/a	VW1718

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35581-1, C35581-3, C35581-4, C35581-5, C35581-6, C35581-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.1	101	20.0	100	0	77-122/25
108-90-7	Chlorobenzene	20	21.2	106	21.0	105	1	77-122/16
75-00-3	Chloroethane	20	19.4	97	19.8	99	2	69-133/18
67-66-3	Chloroform	20	21.2	106	21.7	109	2	74-126/17
56-23-5	Carbon tetrachloride	20	21.5	108	22.0	110	2	71-133/19
75-34-3	1,1-Dichloroethane	20	20.4	102	20.8	104	2	71-125/17
75-35-4	1,1-Dichloroethylene	20	19.7	99	20.4	102	3	66-125/20
106-93-4	1,2-Dibromoethane	20	21.0	105	20.7	104	1	75-135/17
107-06-2	1,2-Dichloroethane	20	20.5	103	20.3	102	1	71-131/17
78-87-5	1,2-Dichloropropane	20	20.5	103	20.2	101	1	78-124/16
75-71-8	Dichlorodifluoromethane	20	17.4	87	17.0	85	2	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	20.7	104	21.0	105	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	21.9	110	21.7	109	1	72-130/16
541-73-1	m-Dichlorobenzene	20	21.5	108	21.3	107	1	75-124/16
95-50-1	o-Dichlorobenzene	20	21.8	109	21.3	107	2	76-124/16
106-46-7	p-Dichlorobenzene	20	20.5	103	20.2	101	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	21.0	105	20.7	104	1	71-126/16
100-41-4	Ethylbenzene	20	20.5	103	20.3	102	1	76-126/17
76-13-1	Freon 113	20	15.1	76	16.2	81	7	60-145/25
87-68-3	Hexachlorobutadiene	20	21.1	106	21.0	105	0	69-135/20
67-63-0	Isopropyl Alcohol	400	413	103	419	105	1	70-130/20
74-83-9	Methyl bromide	20	22.0	110	22.5	113	2	68-132/18
74-87-3	Methyl chloride	20	19.1	96	19.5	98	2	39-150/28
75-09-2	Methylene chloride	20	19.3	97	19.7	99	2	67-128/18
100-42-5	Styrene	20	19.9	100	19.8	99	1	72-134/16
71-55-6	1,1,1-Trichloroethane	20	21.4	107	22.3	112	4	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	22.1	111	21.6	108	2	77-129/17
79-00-5	1,1,2-Trichloroethane	20	21.0	105	20.7	104	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	20.9	105	20.5	103	2	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	20.6	103	20.3	102	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	21.7	109	21.5	108	1	77-129/17
127-18-4	Tetrachloroethylene	20	20.0	100	20.1	101	0	69-127/20
108-88-3	Toluene	20	20.5	103	20.3	102	1	75-122/17
79-01-6	Trichloroethylene	20	20.5	103	20.5	103	0	78-123/17
75-69-4	Trichlorofluoromethane	20	21.8	109	21.5	108	1	65-136/23
75-01-4	Vinyl chloride	20	19.7	99	19.6	98	1	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35581
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1718-BS	W47790.D	1	08/23/14	JC	n/a	n/a	VW1718
VW1718-BSD	W47791.D	1	08/23/14	JC	n/a	n/a	VW1718

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35581-1, C35581-3, C35581-4, C35581-5, C35581-6, C35581-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	40.8	102	40.6	102	0	76-125/17
95-47-6	o-Xylene	20	21.1	106	20.7	104	2	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	108%	110%	70-130%
2037-26-5	Toluene-D8	105%	104%	70-130%
460-00-4	4-Bromofluorobenzene	105%	102%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35581
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1719-BS	W47814.D	1	08/24/14	JC	n/a	n/a	VW1719
VW1719-BSD	W47815.D	1	08/24/14	JC	n/a	n/a	VW1719

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35581-8, C35581-9, C35581-10, C35581-11, C35581-12, C35581-13, C35581-14, C35581-15, C35581-16, C35581-17, C35581-18, C35581-19, C35581-20, C35581-21, C35581-22, C35581-23, C35581-24, C35581-25

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	19.3	97	1	77-122/25
108-90-7	Chlorobenzene	20	20.2	101	20.4	102	1	77-122/16
75-00-3	Chloroethane	20	18.4	92	18.4	92	0	69-133/18
67-66-3	Chloroform	20	20.4	102	20.8	104	2	74-126/17
56-23-5	Carbon tetrachloride	20	21.1	106	20.6	103	2	71-133/19
75-34-3	1,1-Dichloroethane	20	19.8	99	20.0	100	1	71-125/17
75-35-4	1,1-Dichloroethylene	20	18.7	94	18.6	93	1	66-125/20
106-93-4	1,2-Dibromoethane	20	18.5	93	19.8	99	7	75-135/17
107-06-2	1,2-Dichloroethane	20	18.5	93	19.6	98	6	71-131/17
78-87-5	1,2-Dichloropropane	20	19.3	97	19.6	98	2	78-124/16
75-71-8	Dichlorodifluoromethane	20	15.0	75	14.3	72	5	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	19.5	98	20.1	101	3	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	20.2	101	21.1	106	4	72-130/16
541-73-1	m-Dichlorobenzene	20	21.0	105	21.0	105	0	75-124/16
95-50-1	o-Dichlorobenzene	20	20.2	101	20.9	105	3	76-124/16
106-46-7	p-Dichlorobenzene	20	19.8	99	19.9	100	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	19.1	96	20.1	101	5	71-126/16
100-41-4	Ethylbenzene	20	20.1	101	19.8	99	2	76-126/17
76-13-1	Freon 113	20	15.2	76	14.3	72	6	60-145/25
87-68-3	Hexachlorobutadiene	20	24.0	120	20.1	101	18	69-135/20
67-63-0	Isopropyl Alcohol	400	364	91	364	91	0	70-130/20
74-83-9	Methyl bromide	20	20.7	104	20.9	105	1	68-132/18
74-87-3	Methyl chloride	20	17.9	90	17.4	87	3	39-150/28
75-09-2	Methylene chloride	20	17.9	90	18.8	94	5	67-128/18
100-42-5	Styrene	20	19.2	96	19.2	96	0	72-134/16
71-55-6	1,1,1-Trichloroethane	20	20.7	104	20.8	104	0	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	19.0	95	20.8	104	9	77-129/17
79-00-5	1,1,2-Trichloroethane	20	18.5	93	19.9	100	7	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	19.7	99	19.4	97	2	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	21.0	105	20.3	102	3	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	22.1	111	21.3	107	4	77-129/17
127-18-4	Tetrachloroethylene	20	19.6	98	19.3	97	2	69-127/20
108-88-3	Toluene	20	20.0	100	19.8	99	1	75-122/17
79-01-6	Trichloroethylene	20	19.9	100	19.6	98	2	78-123/17
75-69-4	Trichlorofluoromethane	20	20.3	102	20.3	102	0	65-136/23
75-01-4	Vinyl chloride	20	18.4	92	18.0	90	2	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35581
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1719-BS	W47814.D	1	08/24/14	JC	n/a	n/a	VW1719
VW1719-BSD	W47815.D	1	08/24/14	JC	n/a	n/a	VW1719

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35581-8, C35581-9, C35581-10, C35581-11, C35581-12, C35581-13, C35581-14, C35581-15, C35581-16, C35581-17, C35581-18, C35581-19, C35581-20, C35581-21, C35581-22, C35581-23, C35581-24, C35581-25

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	40.3	101	39.5	99	2	76-125/17
95-47-6	o-Xylene	20	20.4	102	20.2	101	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	102%	106%	70-130%
2037-26-5	Toluene-D8	104%	103%	70-130%
460-00-4	4-Bromofluorobenzene	99%	101%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35581
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35519-24MS	W47809.D	1	08/23/14	JC	n/a	n/a	VW1718
C35519-24MSD	W47810.D	1	08/23/14	JC	n/a	n/a	VW1718
C35519-24	W47795.D	1	08/23/14	JC	n/a	n/a	VW1718

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35581-1, C35581-3, C35581-4, C35581-5, C35581-6, C35581-7

CAS No.	Compound	C35519-24 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	27.5	138* [a]	20	28.5	143* [a]	4	77-122/16
108-90-7	Chlorobenzene	ND		20	28.3	142* [a]	20	29.6	148* [a]	4	77-122/16
75-00-3	Chloroethane	ND		20	27.9	140* [a]	20	27.8	139* [a]	0	69-133/18
67-66-3	Chloroform	ND		20	29.1	146* [a]	20	29.6	148* [a]	2	74-126/17
56-23-5	Carbon tetrachloride	ND		20	31.8	159* [a]	20	33.0	165* [a]	4	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	28.5	143* [a]	20	28.9	145* [a]	1	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	28.1	141* [a]	20	29.1	146* [a]	3	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	27.1	136* [a]	20	28.5	143* [a]	5	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	27.8	139* [a]	20	28.6	143* [a]	3	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	28.0	140* [a]	20	28.8	144* [a]	3	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	28.5	143	20	27.3	137	4	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	27.6	138* [a]	20	28.4	142* [a]	3	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	28.6	143* [a]	20	29.6	148* [a]	3	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	29.0	145* [a]	20	30.9	155* [a]	6	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	28.9	145* [a]	20	30.7	154* [a]	6	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	27.4	137* [a]	20	29.2	146* [a]	6	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	27.4	137* [a]	20	28.3	142* [a]	3	71-126/16
100-41-4	Ethylbenzene	ND		20	28.2	141* [a]	20	29.4	147* [a]	4	76-126/17
76-13-1	Freon 113	ND		20	22.3	112	20	23.2	116	4	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	28.2	141* [a]	20	30.9	155* [a]	9	69-135/20
67-63-0	Isopropyl Alcohol	ND		400	417	104	400	533	133* [a]	24* [a]	70-130/20
74-83-9	Methyl bromide	ND		20	30.3	152* [a]	20	30.2	151* [a]	0	68-132/18
74-87-3	Methyl chloride	ND		20	28.6	143	20	27.9	140	2	39-150/28
75-09-2	Methylene chloride	ND		20	25.6	128	20	26.3	132* [a]	3	67-128/18
100-42-5	Styrene	ND		20	26.7	134	20	27.8	139* [a]	4	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	31.2	156* [a]	20	31.6	158* [a]	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	28.7	144* [a]	20	30.9	155* [a]	7	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	27.8	139* [a]	20	28.7	144* [a]	3	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	26.6	133* [a]	20	28.8	144* [a]	8	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	28.3	142* [a]	20	29.9	150* [a]	5	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	29.8	149* [a]	20	31.7	159* [a]	6	77-129/17
127-18-4	Tetrachloroethylene	ND		20	27.4	137* [a]	20	29.2	146* [a]	6	69-127/20
108-88-3	Toluene	ND		20	27.8	139* [a]	20	29.2	146* [a]	5	75-122/17
79-01-6	Trichloroethylene	ND		20	28.1	141* [a]	20	29.6	148* [a]	5	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	32.7	164* [a]	20	32.8	164* [a]	0	65-136/23
75-01-4	Vinyl chloride	ND		20	29.1	146	20	29.3	147* [a]	1	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35581
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35519-24MS	W47809.D	1	08/23/14	JC	n/a	n/a	VW1718
C35519-24MSD	W47810.D	1	08/23/14	JC	n/a	n/a	VW1718
C35519-24	W47795.D	1	08/23/14	JC	n/a	n/a	VW1718

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35581-1, C35581-3, C35581-4, C35581-5, C35581-6, C35581-7

CAS No.	Compound	C35519-24 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	56.1	140* [a]	40	58.8	147* [a]	5	76-125/17
95-47-6	o-Xylene	ND		20	28.5	143* [a]	20	29.8	149* [a]	4	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C35519-24	Limits
1868-53-7	Dibromofluoromethane	108%	106%	102%	70-130%
2037-26-5	Toluene-D8	106%	106%	108%	70-130%
460-00-4	4-Bromofluorobenzene	105%	103%	103%	70-130%

(a) Outside laboratory control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35581
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35581-18MS	W47836.D	1	08/24/14	JC	n/a	n/a	VW1719
C35581-18MSD	W47837.D	1	08/24/14	JC	n/a	n/a	VW1719
C35581-18	W47828.D	1	08/24/14	JC	n/a	n/a	VW1719

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35581-8, C35581-9, C35581-10, C35581-11, C35581-12, C35581-13, C35581-14, C35581-15, C35581-16, C35581-17, C35581-18, C35581-19, C35581-20, C35581-21, C35581-22, C35581-23, C35581-24, C35581-25

CAS No.	Compound	C35581-18 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	21.2	106	20	20.9	105	1	77-122/16
108-90-7	Chlorobenzene	ND		20	21.6	108	20	21.5	108	0	77-122/16
75-00-3	Chloroethane	ND		20	21.1	106	20	20.5	103	3	69-133/18
67-66-3	Chloroform	ND		20	23.0	115	20	22.2	111	4	74-126/17
56-23-5	Carbon tetrachloride	ND		20	24.3	122	20	24.0	120	1	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	22.3	112	20	21.7	109	3	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	21.4	107	20	21.2	106	1	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	20.5	103	20	20.5	103	0	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	21.4	107	20	21.0	105	2	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	21.5	108	20	21.1	106	2	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	19.3	97	20	17.5	88	10	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	21.5	108	20	21.1	106	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	21.7	109	20	21.4	107	1	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	21.9	110	20	21.9	110	0	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	21.7	109	20	21.7	109	0	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	20.7	104	20	20.7	104	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	20.8	104	20	20.5	103	1	71-126/16
100-41-4	Ethylbenzene	ND		20	21.5	108	20	21.3	107	1	76-126/17
76-13-1	Freon 113	ND		20	16.7	84	20	16.5	83	1	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	20.6	103	20	21.1	106	2	69-135/20
67-63-0	Isopropyl Alcohol	ND		400	329	82	400	392	98	17	70-130/20
74-83-9	Methyl bromide	ND		20	22.5	113	20	22.2	111	1	68-132/18
74-87-3	Methyl chloride	ND		20	21.4	107	20	20.4	102	5	39-150/28
75-09-2	Methylene chloride	ND		20	19.8	99	20	19.3	97	3	67-128/18
100-42-5	Styrene	ND		20	20.2	101	20	20.0	100	1	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	24.1	121	20	23.5	118	3	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	21.6	108	20	21.5	108	0	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	21.0	105	20	20.8	104	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	19.0	95	20	19.3	97	2	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	21.4	107	20	21.4	107	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	22.6	113	20	22.6	113	0	77-129/17
127-18-4	Tetrachloroethylene	ND		20	20.9	105	20	20.8	104	0	69-127/20
108-88-3	Toluene	ND		20	21.3	107	20	21.1	106	1	75-122/17
79-01-6	Trichloroethylene	ND		20	21.4	107	20	21.4	107	0	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	24.9	125	20	24.1	121	3	65-136/23
75-01-4	Vinyl chloride	ND		20	21.8	109	20	21.3	107	2	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35581
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35581-18MS	W47836.D	1	08/24/14	JC	n/a	n/a	VW1719
C35581-18MSD	W47837.D	1	08/24/14	JC	n/a	n/a	VW1719
C35581-18	W47828.D	1	08/24/14	JC	n/a	n/a	VW1719

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35581-8, C35581-9, C35581-10, C35581-11, C35581-12, C35581-13, C35581-14, C35581-15, C35581-16, C35581-17, C35581-18, C35581-19, C35581-20, C35581-21, C35581-22, C35581-23, C35581-24, C35581-25

CAS No.	Compound	C35581-18 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	42.4	106	40	42.4	106	0	76-125/17
95-47-6	o-Xylene	ND		20	21.6	108	20	21.5	108	0	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C35581-18	Limits
1868-53-7	Dibromofluoromethane	109%	106%	105%	70-130%
2037-26-5	Toluene-D8	105%	104%	107%	70-130%
460-00-4	4-Bromofluorobenzene	103%	102%	102%	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: C35581
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP6744/GN14335	3.0	0.0	ug/l	25	24.1	96.4	85-115%
Perchlorate	GP6745/GN14336	3.0	0.0	ug/l	25	22.9	91.6	85-115%
Specific Conductivity	GN14309	1.0	0.0	umhos/cm				
Specific Conductivity	GN14310	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP6744: C35581-1, C35581-2, C35581-3, C35581-4, C35581-5, C35581-6, C35581-7, C35581-8, C35581-9, C35581-10, C35581-12, C35581-13, C35581-14, C35581-15, C35581-16, C35581-17, C35581-18, C35581-19
Batch GP6745: C35581-11, C35581-20, C35581-21, C35581-22, C35581-23, C35581-24
Batch GN14309: C35581-1, C35581-2, C35581-3, C35581-4, C35581-5, C35581-6, C35581-7, C35581-8, C35581-9, C35581-10, C35581-11, C35581-12, C35581-13, C35581-14, C35581-15, C35581-16, C35581-17, C35581-18, C35581-19, C35581-20
Batch GN14310: C35581-21, C35581-22, C35581-23, C35581-24
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35581
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP6744/GN14335	ug/l	25	24.0	0.4	
Perchlorate	GP6745/GN14336	ug/l	25	22.8	0.4	

Associated Samples:
Batch GP6744: C35581-1, C35581-2, C35581-3, C35581-4, C35581-5, C35581-6, C35581-7, C35581-8, C35581-9, C35581-10, C35581-12, C35581-13, C35581-14, C35581-15, C35581-16, C35581-17, C35581-18, C35581-19
Batch GP6745: C35581-11, C35581-20, C35581-21, C35581-22, C35581-23, C35581-24
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35581
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN14309	C35581-1	umhos/cm	260	262	0.8	0-10%
Specific Conductivity	GN14309	C35581-18	umhos/cm	291	290	0.3	0-10%
Specific Conductivity	GN14310	C35581-21	umhos/cm	550	548	0.4	0-10%

Associated Samples:
Batch GN14309: C35581-1, C35581-2, C35581-3, C35581-4, C35581-5, C35581-6, C35581-7, C35581-8, C35581-9, C35581-10, C35581-11, C35581-12, C35581-13, C35581-14, C35581-15, C35581-16, C35581-17, C35581-18, C35581-19, C35581-20
Batch GN14310: C35581-21, C35581-22, C35581-23, C35581-24
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35581
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP6744/GN14335	C35581-18	ug/l	0.94 B	25	22.0	84.2	80-120%
Perchlorate	GP6745/GN14336	C35602-2	ug/l	2.3	25	26.2	95.6	80-120%

Associated Samples:
Batch GP6744: C35581-1, C35581-2, C35581-3, C35581-4, C35581-5, C35581-6, C35581-7, C35581-8, C35581-9, C35581-10, C35581-12, C35581-13, C35581-14, C35581-15, C35581-16, C35581-17, C35581-18, C35581-19
Batch GP6745: C35581-11, C35581-20, C35581-21, C35581-22, C35581-23, C35581-24
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35581
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP6744/GN14335	C35581-18	ug/l	0.94 B	25	22.1	0.5	15%
Perchlorate	GP6745/GN14336	C35602-2	ug/l	2.3	25	25.4	3.1	15%

Associated Samples:
Batch GP6744: C35581-1, C35581-2, C35581-3, C35581-4, C35581-5, C35581-6, C35581-7, C35581-8, C35581-9, C35581-10, C35581-12, C35581-13, C35581-14, C35581-15, C35581-16, C35581-17, C35581-18, C35581-19
Batch GP6745: C35581-11, C35581-20, C35581-21, C35581-22, C35581-23, C35581-24
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
ACCUTEST
LABORATORIES

09/08/14

Technical Report for

United Technology Corporation

ENSTNM: UTC RFF Superfund Site - Rialto, CA

0888815569

Accutest Job Number: C35636

Sampling Dates: 08/19/14 - 08/22/14

Report to:

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Memphis, TN 38134
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Total number of pages in report: **193**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Elvin Kumar 408-588-0200

Certifications: OR (CA300006) CA (08258CA) CA (ELAP 2910) AZ (AZ0762) DoD ELAP (L-A-B L2242)

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Sample Summary

United Technology Corporation

Job No: C35636

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 0888815569

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C35636-1	08/19/14	07:50	RV	08/23/14	AQ	Ground Water	MP2G510
C35636-2	08/19/14	08:15	RV	08/23/14	AQ	Ground Water	MP2G410
C35636-3	08/19/14	08:50	RV	08/23/14	AQ	Ground Water	MP2G350
C35636-4	08/19/14	10:25	RV	08/23/14	AQ	Ground Water	MP5G740
C35636-5	08/19/14	11:00	RV	08/23/14	AQ	Ground Water	MP5G630
C35636-6	08/19/14	11:00	RV	08/23/14	AQ	Ground Water	MP5H630
C35636-7	08/19/14	11:35	RV	08/23/14	AQ	Ground Water	MP5G507
C35636-8	08/19/14	12:35	RV	08/23/14	AQ	Ground Water	MP5G412
C35636-9	08/19/14	13:05	RV	08/23/14	AQ	Ground Water	MP5G357
C35636-10	08/19/14	13:15	RV	08/23/14	AQ	Equipment Blank	EB1081914
C35636-11	08/20/14	08:40	RV	08/23/14	AQ	Ground Water	MP7G701
C35636-12	08/20/14	09:05	RV	08/23/14	AQ	Ground Water	MP7G588
C35636-13	08/20/14	09:35	RV	08/23/14	AQ	Ground Water	MP7G503

Sample Summary
(continued)

United Technology Corporation

Job No: C35636

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 0888815569

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C35636-14	08/20/14	10:00	RV	08/23/14	AQ	Ground Water	MP7G433
C35636-15	08/20/14	10:00	RV	08/23/14	AQ	Ground Water	MP7H433
C35636-16	08/20/14	10:30	RV	08/23/14	AQ	Ground Water	MP7G357
C35636-16D	08/20/14	10:30	RV	08/23/14	AQ	Water Dup/MSD	MP7G357
C35636-16S	08/20/14	10:30	RV	08/23/14	AQ	Water Matrix Spike	MP7G357
C35636-17	08/20/14	12:00	RV	08/23/14	AQ	Ground Water	PW9G808
C35636-18	08/20/14	12:30	RV	08/23/14	AQ	Ground Water	PW9G718
C35636-19	08/20/14	13:25	RV	08/23/14	AQ	Ground Water	PW9G648
C35636-20	08/20/14	13:55	RV	08/23/14	AQ	Ground Water	PW9G562
C35636-21	08/20/14	14:05	RV	08/23/14	AQ	Equipment Blank	EB2082014
C35636-22	08/21/14	07:55	RV	08/23/14	AQ	Ground Water	PW9G482
C35636-23	08/21/14	08:30	RV	08/23/14	AQ	Ground Water	PW9G412
C35636-24	08/21/14	10:00	RV	08/23/14	AQ	Ground Water	CPW16G753

Accutest Laboratories

Sample Summary
(continued)

United Technology Corporation

Job No: C35636

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 0888815569

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C35636-25	08/21/14	10:30	RV	08/23/14	AQ	Ground Water	CPW16G718
C35636-26	08/21/14	11:05	RV	08/23/14	AQ	Ground Water	CPW16G638
C35636-27	08/21/14	11:40	RV	08/23/14	AQ	Ground Water	CPW16G513
C35636-28	08/21/14	12:45	RV	08/23/14	AQ	Ground Water	CPW16G417
C35636-29	08/21/14	12:45	RV	08/23/14	AQ	Ground Water	CPW16H417
C35636-30	08/21/14	13:15	RV	08/23/14	AQ	Ground Water	CPW16G378
C35636-31	08/21/14	13:40	RV	08/23/14	AQ	Ground Water	CPW16G295
C35636-32	08/21/14	13:55	RV	08/23/14	AQ	Equipment Blank	EB3082114
C35636-33	08/22/14	07:45	RV	08/23/14	AQ	Ground Water	MP3G899
C35636-34	08/22/14	08:15	RV	08/23/14	AQ	Ground Water	MP3G814
C35636-35	08/22/14	08:50	RV	08/23/14	AQ	Ground Water	MP3G687
C35636-36	08/22/14	09:25	RV	08/23/14	AQ	Ground Water	MP3G592
C35636-37	08/22/14	10:00	RV	08/23/14	AQ	Ground Water	MP3G457

Accutest Laboratories

Sample Summary
(continued)

United Technology Corporation

Job No: C35636

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 0888815569

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C35636-37D	08/22/14	10:00	RV	08/23/14	AQ	Water Dup/MSD	MP3G457
C35636-37S	08/22/14	10:00	RV	08/23/14	AQ	Water Matrix Spike	MP3G457
C35636-38	08/22/14	11:20	RV	08/23/14	AQ	Ground Water	MP6G765
C35636-39	08/22/14	11:55	RV	08/23/14	AQ	Ground Water	MP6G659
C35636-40	08/22/14	12:25	RV	08/23/14	AQ	Ground Water	MP6G573
C35636-41	08/22/14	12:25	RV	08/23/14	AQ	Ground Water	MP6H573
C35636-42	08/22/14	13:20	RV	08/23/14	AQ	Ground Water	MP6G449
C35636-43	08/22/14	13:45	RV	08/23/14	AQ	Ground Water	MP6G355
C35636-44	08/22/14	13:55	RV	08/23/14	AQ	Equipment Blank	EB4082214
C35636-45	08/22/14	00:00	RV	08/23/14	AQ	Trip Blank Water	TB1082214
C35636-46	08/22/14	00:00	RV	08/23/14	AQ	Trip Blank Water	TB2082214

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C35636
Site:	ENSTNM: UTC RFF Superfund Site - Rialto, CA	**Report Date**	9/8/2014 11:10:16 PM

44 Sample(s), 2 Trip Blank(s) and 0 Field Blank(s) were collected between 08/19/2014 and 08/22/2014 and were received at Accutest on 08/23/2014 properly preserved, at 1.9 Deg. C and intact. These Samples received an Accutest job number of C35636. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report. Samples C35636-11 (MP7G701) and C35636-13 (MP7G503): HCL vials were broken during shipment. VOC analysis could not be performed for these samples; client notified.

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:** VW1720

- Sample(s) C35585-1MS, C35585-1MSD were used as the QC samples indicated.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for 1,1,1-Trichloroethane, Chloroform, Methylene chloride are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Recovery(s) for cis-1,2-Dichloroethylene are outside control limits due to high level in sample relative to spike amount.

Matrix: AQ **Batch ID:** VW1721

- Sample(s) C35636-16MS, C35636-16MSD were used as the QC samples indicated.
- Sample(s) C35636-3, C35636-4, C35636-5, C35636-6, C35636-7, C35636-8, C35636-9, C35636-10, C35636-12, C35636-14, C35636-15, C35636-16, C35636-17, C35636-19, C35636-20, C35636-21 have Isopropyl Alcohol, Methyl chloride reported with a “B” qualifier, indicating analyte is found in the associated method blank at a value greater than 1/10 of sample concentration(s). Concentration(s) present in blank are less than 1/2 RL; therefore, meeting method criteria.

Matrix: AQ **Batch ID:** VW1726

- Sample(s) C35711-1MS, C35711-1MSD were used as the QC samples indicated.
- Sample(s) C35636-25, C35636-26, C35636-27, C35636-28 have for Dichlorodifluoromethane, Methyl chloride, Trichlorofluoromethane a CCV outside of control limits (biased high); not detected in samples.
- Matrix Spike Duplicate Recovery(s) for Freon 113 are outside control limits. Probable cause due to matrix interference.
- RPD(s) for MSD for 1,1,1-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethylene, Benzene, Carbon tetrachloride, Freon 113, Trichloroethylene are outside laboratory control limits for sample C35711-1MSD.

Matrix: AQ **Batch ID:** VW1727

- Sample(s) C35636-37MS, C35636-37MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for 1,1-Dichloroethane are outside control limits. Probable cause due to matrix interference.

Matrix: AQ **Batch ID:** VW1728

- Sample(s) C35761-1MS, C35761-1MSD were used as the QC samples indicated.

Wet Chemistry By Method EPA 314

Matrix: AQ	Batch ID: GP6776

- Sample(s) C35636-16MS, C35636-16MSD were used as the QC samples for Perchlorate.

Matrix: AQ	Batch ID: GP6777

- Sample(s) C35636-37MS, C35636-37MSD were used as the QC samples for Perchlorate.

Matrix: AQ	Batch ID: GP6781

- Sample(s) C35678-1MS, C35678-1MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM2510 B-97

Matrix: AQ	Batch ID: GN14346

- Sample(s) C35656-3DUP were used as the QC samples for Specific Conductivity.

Matrix: AQ	Batch ID: GN14347

- Sample(s) C35636-16DUP, C35636-20DUP were used as the QC samples for Specific Conductivity.

Matrix: AQ	Batch ID: GN14364

- Sample(s) C35636-37DUP 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: C35636
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 08/19/14 thru 08/22/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C35636-1	**MP2G510**					
Perchlorate		0.72 B	1.0	0.31	ug/l	EPA 314
Specific Conductivity		327	1.0	1.0	umhos/cm	SM2510 B-97
C35636-2	**MP2G410**					
Chloroform		0.23 J	1.0	0.20	ug/l	SW846 8260B
Dichlorodifluoromethane		0.28 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		0.39 J	1.0	0.20	ug/l	SW846 8260B
Tetrachloroethylene		2.4	1.0	0.30	ug/l	SW846 8260B
Perchlorate		7.2	1.0	0.31	ug/l	EPA 314
Specific Conductivity		504	1.0	1.0	umhos/cm	SM2510 B-97
C35636-3	**MP2G350**					
Isopropyl Alcohol		25.2 JB	100	5.0	ug/l	SW846 8260B
Perchlorate		1.8	1.0	0.31	ug/l	EPA 314
Specific Conductivity		498	1.0	1.0	umhos/cm	SM2510 B-97
C35636-4	**MP5G740**					
Isopropyl Alcohol		17.0 JB	100	5.0	ug/l	SW846 8260B
Perchlorate		1.0	1.0	0.31	ug/l	EPA 314
Specific Conductivity		281	1.0	1.0	umhos/cm	SM2510 B-97
C35636-5	**MP5G630**					
Isopropyl Alcohol		33.0 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		213	1.0	1.0	umhos/cm	SM2510 B-97
C35636-6	**MP5H630**					
Isopropyl Alcohol		28.1 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		227	1.0	1.0	umhos/cm	SM2510 B-97
C35636-7	**MP5G507**					
Chloroform		0.74 J	1.0	0.20	ug/l	SW846 8260B
Dichlorodifluoromethane		0.23 J	1.0	0.20	ug/l	SW846 8260B
Isopropyl Alcohol		43.5 JB	100	5.0	ug/l	SW846 8260B
Tetrachloroethylene		1.3	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		309	1.0	1.0	umhos/cm	SM2510 B-97

Summary of Hits

Job Number: C35636
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 08/19/14 thru 08/22/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C35636-8	**MP5G412**					
1,2-Dichloropropane		0.31 J	1.0	0.20	ug/l	SW846 8260B
Dichlorodifluoromethane		0.36 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		0.39 J	1.0	0.20	ug/l	SW846 8260B
Isopropyl Alcohol		63.2 JB	100	5.0	ug/l	SW846 8260B
Tetrachloroethylene		2.5	1.0	0.30	ug/l	SW846 8260B
Trichloroethylene		0.28 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		5.7	1.0	0.31	ug/l	EPA 314
Specific Conductivity		394	1.0	1.0	umhos/cm	SM2510 B-97
C35636-9	**MP5G357**					
Isopropyl Alcohol		36.7 JB	100	5.0	ug/l	SW846 8260B
Perchlorate		2.4	1.0	0.31	ug/l	EPA 314
Specific Conductivity		503	1.0	1.0	umhos/cm	SM2510 B-97
C35636-10	**EB1081914**					
Isopropyl Alcohol		50.6 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		1.6	1.0	1.0	umhos/cm	SM2510 B-97
C35636-11	**MP7G701**					
Specific Conductivity		373	1.0	1.0	umhos/cm	SM2510 B-97
C35636-12	**MP7G588**					
Isopropyl Alcohol		32.6 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		319	1.0	1.0	umhos/cm	SM2510 B-97
C35636-13	**MP7G503**					
Perchlorate		1.9	1.0	0.31	ug/l	EPA 314
Specific Conductivity		330	1.0	1.0	umhos/cm	SM2510 B-97
C35636-14	**MP7G433**					
Isopropyl Alcohol		20.7 JB	100	5.0	ug/l	SW846 8260B
Perchlorate		6.1	1.0	0.31	ug/l	EPA 314
Specific Conductivity		495	1.0	1.0	umhos/cm	SM2510 B-97
C35636-15	**MP7H433**					
Isopropyl Alcohol		23.0 JB	100	5.0	ug/l	SW846 8260B

Summary of Hits

Job Number: C35636
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 08/19/14 thru 08/22/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Methyl chloride		0.34 JB	1.0	0.30	ug/l	SW846 8260B
Perchlorate		5.9	1.0	0.31	ug/l	EPA 314
Specific Conductivity		490	1.0	1.0	umhos/cm	SM2510 B-97
C35636-16	**MP7G357**					
Isopropyl Alcohol		37.0 JB	100	5.0	ug/l	SW846 8260B
Methyl chloride		0.48 JB	1.0	0.30	ug/l	SW846 8260B
Perchlorate		7.9	1.0	0.31	ug/l	EPA 314
Specific Conductivity		649	1.0	1.0	umhos/cm	SM2510 B-97
C35636-17	**PW9G808**					
Isopropyl Alcohol		15.6 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		366	1.0	1.0	umhos/cm	SM2510 B-97
C35636-18	**PW9G718**					
Specific Conductivity		343	1.0	1.0	umhos/cm	SM2510 B-97
C35636-19	**PW9G648**					
Isopropyl Alcohol		16.8 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		285	1.0	1.0	umhos/cm	SM2510 B-97
C35636-20	**PW9G562**					
Isopropyl Alcohol		9.1 JB	100	5.0	ug/l	SW846 8260B
Trichloroethylene		1.2	1.0	0.20	ug/l	SW846 8260B
Perchlorate		37.9	1.0	0.31	ug/l	EPA 314
Specific Conductivity		181	1.0	1.0	umhos/cm	SM2510 B-97
C35636-21	**EB2082014**					
Isopropyl Alcohol		14.4 JB	100	5.0	ug/l	SW846 8260B
Specific Conductivity		1.6	1.0	1.0	umhos/cm	SM2510 B-97
C35636-22	**PW9G482**					
Methyl chloride		0.33 J	1.0	0.30	ug/l	SW846 8260B
Trichloroethylene		4.7	1.0	0.20	ug/l	SW846 8260B
Perchlorate		226	10	3.1	ug/l	EPA 314
Specific Conductivity		449	1.0	1.0	umhos/cm	SM2510 B-97

Summary of Hits

Job Number: C35636
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 08/19/14 thru 08/22/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C35636-23	**PW9G412**					
Perchlorate		2.6	1.0	0.31	ug/l	EPA 314
Specific Conductivity		460	1.0	1.0	umhos/cm	SM2510 B-97
C35636-24	**CPW16G753**					
Specific Conductivity		259	1.0	1.0	umhos/cm	SM2510 B-97
C35636-25	**CPW16G718**					
Isopropyl Alcohol		16.8 J	100	5.0	ug/l	SW846 8260B
Perchlorate		0.75 B	1.0	0.31	ug/l	EPA 314
Specific Conductivity		284	1.0	1.0	umhos/cm	SM2510 B-97
C35636-26	**CPW16G638**					
Isopropyl Alcohol		13.3 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		360	1.0	1.0	umhos/cm	SM2510 B-97
C35636-27	**CPW16G513**					
Isopropyl Alcohol		12.3 J	100	5.0	ug/l	SW846 8260B
Perchlorate		1.0	1.0	0.31	ug/l	EPA 314
Specific Conductivity		234	1.0	1.0	umhos/cm	SM2510 B-97
C35636-28	**CPW16G417**					
Isopropyl Alcohol		8.1 J	100	5.0	ug/l	SW846 8260B
Trichloroethylene		2.1	1.0	0.20	ug/l	SW846 8260B
Perchlorate		119	5.0	1.6	ug/l	EPA 314
Specific Conductivity		449	1.0	1.0	umhos/cm	SM2510 B-97
C35636-29	**CPW16H417**					
Trichloroethylene		1.9	1.0	0.20	ug/l	SW846 8260B
Perchlorate		116	5.0	1.6	ug/l	EPA 314
Specific Conductivity		454	1.0	1.0	umhos/cm	SM2510 B-97
C35636-30	**CPW16G378**					
Trichloroethylene		1.8	1.0	0.20	ug/l	SW846 8260B
Perchlorate		104	5.0	1.6	ug/l	EPA 314
Specific Conductivity		503	1.0	1.0	umhos/cm	SM2510 B-97

Summary of Hits

Job Number: C35636
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 08/19/14 thru 08/22/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C35636-31	**CPW16G295**					
Perchlorate		17.4	1.0	0.31	ug/l	EPA 314
Specific Conductivity		637	1.0	1.0	umhos/cm	SM2510 B-97
C35636-32	**EB3082114**					
Specific Conductivity		1.5	1.0	1.0	umhos/cm	SM2510 B-97
C35636-33	**MP3G899**					
Methyl chloride		0.56 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		255	1.0	1.0	umhos/cm	SM2510 B-97
C35636-34	**MP3G814**					
Specific Conductivity		285	1.0	1.0	umhos/cm	SM2510 B-97
C35636-35	**MP3G687**					
Methyl chloride		0.50 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		2.0	1.0	0.31	ug/l	EPA 314
Specific Conductivity		392	1.0	1.0	umhos/cm	SM2510 B-97
C35636-36	**MP3G592**					
Perchlorate		2.3	1.0	0.31	ug/l	EPA 314
Specific Conductivity		513	1.0	1.0	umhos/cm	SM2510 B-97
C35636-37	**MP3G457**					
Perchlorate		14.5	1.0	0.31	ug/l	EPA 314
Specific Conductivity		668	1.0	1.0	umhos/cm	SM2510 B-97
C35636-38	**MP6G765**					
Specific Conductivity		286	1.0	1.0	umhos/cm	SM2510 B-97
C35636-39	**MP6G659**					
Specific Conductivity		281	1.0	1.0	umhos/cm	SM2510 B-97
C35636-40	**MP6G573**					
Perchlorate		2.9	1.0	0.31	ug/l	EPA 314

Summary of Hits

Job Number: C35636
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 08/19/14 thru 08/22/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Specific Conductivity		223	1.0	1.0	umhos/cm	SM2510 B-97
C35636-41	**MP6H573**					
Perchlorate		2.7	1.0	0.31	ug/l	EPA 314
Specific Conductivity		218	1.0	1.0	umhos/cm	SM2510 B-97
C35636-42	**MP6G449**					
Perchlorate		3.1	1.0	0.31	ug/l	EPA 314
Specific Conductivity		542	1.0	1.0	umhos/cm	SM2510 B-97
C35636-43	**MP6G355**					
Perchlorate		29.5	1.0	0.31	ug/l	EPA 314
Specific Conductivity		648	1.0	1.0	umhos/cm	SM2510 B-97
C35636-44	**EB4082214**					
Specific Conductivity		1.6	1.0	1.0	umhos/cm	SM2510 B-97

C35636-45 **TB1082214**

No hits reported in this sample.

C35636-46 **TB2082214**

No hits reported in this sample.

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MP2G510		
Lab Sample ID:	C35636-1	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47859.D	1	08/25/14	JC	n/a	n/a	VW1720
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G510		
Lab Sample ID:	C35636-1	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	107%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G510		
Lab Sample ID:	C35636-1	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.72 B	1.0	0.31	ug/l	1	09/06/14 13:58	PH	EPA 314
Specific Conductivity	327	1.0	1.0	umhos/cm	1	08/28/14 13:40	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP2G410		
Lab Sample ID:	C35636-2	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47860.D	1	08/25/14	JC	n/a	n/a	VW1720
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	0.23	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	0.28	1.0	0.20	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	0.39	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	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	2.4	1.0	0.30	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G410		
Lab Sample ID:	C35636-2	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G410		
Lab Sample ID:	C35636-2	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	7.2	1.0	0.31	ug/l	1	09/06/14 14:15	PH	EPA 314
Specific Conductivity	504	1.0	1.0	umhos/cm	1	08/28/14 13:40	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP2G350		
Lab Sample ID:	C35636-3	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47872.D	1	08/26/14	JC	n/a	n/a	VW1721
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	25.2	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G350		
Lab Sample ID:	C35636-3	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	106%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G350		
Lab Sample ID:	C35636-3	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	1.8	1.0	0.31	ug/l	1	09/06/14 14:32	PH	EPA 314
Specific Conductivity	498	1.0	1.0	umhos/cm	1	08/28/14 13:40	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP5G740		
Lab Sample ID:	C35636-4	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47873.D	1	08/26/14	JC	n/a	n/a	VW1721
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	17.0	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5G740		
Lab Sample ID:	C35636-4	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	107%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5G740		
Lab Sample ID:	C35636-4	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	1.0	1.0	0.31	ug/l	1	09/06/14 14:50	PH	EPA 314
Specific Conductivity	281	1.0	1.0	umhos/cm	1	08/28/14 13:40	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP5G630		
Lab Sample ID:	C35636-5	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47874.D	1	08/26/14	JC	n/a	n/a	VW1721
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	33.0	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5G630		
Lab Sample ID:	C35636-5	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	106%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5G630		
Lab Sample ID:	C35636-5	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/06/14 15:07	PH	EPA 314
Specific Conductivity	213	1.0	1.0	umhos/cm	1	08/28/14 13:40	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP5H630		
Lab Sample ID:	C35636-6	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47875.D	1	08/26/14	JC	n/a	n/a	VW1721
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	28.1	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5H630		
Lab Sample ID:	C35636-6	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5H630		
Lab Sample ID:	C35636-6	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/06/14 16:48	PH	EPA 314
Specific Conductivity	227	1.0	1.0	umhos/cm	1	08/28/14 13:40	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP5G507		
Lab Sample ID:	C35636-7	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47876.D	1	08/26/14	JC	n/a	n/a	VW1721
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	0.74	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	0.23	1.0	0.20	ug/l	J
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	43.5	100	5.0	ug/l	JB
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	1.3	1.0	0.30	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5G507		
Lab Sample ID:	C35636-7	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	107%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5G507		
Lab Sample ID:	C35636-7	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/06/14 17:05	PH	EPA 314
Specific Conductivity	309	1.0	1.0	umhos/cm	1	08/28/14 13:40	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP5G412		
Lab Sample ID:	C35636-8	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47877.D	1	08/26/14	JC	n/a	n/a	VW1721
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	0.31	1.0	0.20	ug/l	J
75-71-8	Dichlorodifluoromethane	0.36	1.0	0.20	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	0.39	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	63.2	100	5.0	ug/l	JB
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	2.5	1.0	0.30	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5G412		
Lab Sample ID:	C35636-8	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	105%		70-130%
2037-26-5	Toluene-D8	106%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5G412		
Lab Sample ID:	C35636-8	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	5.7	1.0	0.31	ug/l	1	09/06/14 17:22	PH	EPA 314
Specific Conductivity	394	1.0	1.0	umhos/cm	1	08/28/14 13:40	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP5G357		
Lab Sample ID:	C35636-9	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47878.D	1	08/26/14	JC	n/a	n/a	VW1721
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	36.7	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5G357		
Lab Sample ID:	C35636-9	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5G357		
Lab Sample ID:	C35636-9	**Date Sampled:**	08/19/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	2.4	1.0	0.31	ug/l	1	09/06/14 17:40	PH	EPA 314
Specific Conductivity	503	1.0	1.0	umhos/cm	1	08/28/14 13:40	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	EB1081914		
Lab Sample ID:	C35636-10	**Date Sampled:**	08/19/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47879.D	1	08/26/14	JC	n/a	n/a	VW1721
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	50.6	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB1081914		
Lab Sample ID:	C35636-10	**Date Sampled:**	08/19/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	103%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB1081914		
Lab Sample ID:	C35636-10	**Date Sampled:**	08/19/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/06/14 17:57	PH	EPA 314
Specific Conductivity	1.6	1.0	1.0	umhos/cm	1	08/28/14 13:40	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP7G701		
Lab Sample ID:	C35636-11	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/06/14 18:15	PH	EPA 314
Specific Conductivity	373	1.0	1.0	umhos/cm	1	08/28/14 13:40	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP7G588		
Lab Sample ID:	C35636-12	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47880.D	1	08/26/14	JC	n/a	n/a	VW1721
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	32.6	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP7G588		
Lab Sample ID:	C35636-12	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	106%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP7G588		
Lab Sample ID:	C35636-12	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/06/14 18:32	PH	EPA 314
Specific Conductivity	319	1.0	1.0	umhos/cm	1	08/28/14 15:25	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP7G503		
Lab Sample ID:	C35636-13	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	1.9	1.0	0.31	ug/l	1	09/06/14 18:49	PH	EPA 314
Specific Conductivity	330	1.0	1.0	umhos/cm	1	08/28/14 15:25	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP7G433		
Lab Sample ID:	C35636-14	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47881.D	1	08/26/14	JC	n/a	n/a	VW1721
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	20.7	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP7G433		
Lab Sample ID:	C35636-14	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	107%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP7G433		
Lab Sample ID:	C35636-14	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	6.1	1.0	0.31	ug/l	1	09/06/14 19:07	PH	EPA 314
Specific Conductivity	495	1.0	1.0	umhos/cm	1	08/28/14 15:25	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP7H433		
Lab Sample ID:	C35636-15	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47882.D	1	08/26/14	JC	n/a	n/a	VW1721
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	23.0	100	5.0	ug/l	JB
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	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP7H433		
Lab Sample ID:	C35636-15	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	107%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP7H433		
Lab Sample ID:	C35636-15	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	5.9	1.0	0.31	ug/l	1	09/06/14 19:24	PH	EPA 314
Specific Conductivity	490	1.0	1.0	umhos/cm	1	08/28/14 15:25	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP7G357		
Lab Sample ID:	C35636-16	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47883.D	1	08/26/14	JC	n/a	n/a	VW1721
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	37.0	100	5.0	ug/l	JB
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	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP7G357		
Lab Sample ID:	C35636-16	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	107%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP7G357		
Lab Sample ID:	C35636-16	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	7.9	1.0	0.31	ug/l	1	09/06/14 20:16	PH	EPA 314
Specific Conductivity	649	1.0	1.0	umhos/cm	1	08/28/14 15:25	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW9G808		
Lab Sample ID:	C35636-17	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47884.D	1	08/26/14	JC	n/a	n/a	VW1721
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	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G808		
Lab Sample ID:	C35636-17	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	100%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G808		
Lab Sample ID:	C35636-17	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/06/14 21:09	PH	EPA 314
Specific Conductivity	366	1.0	1.0	umhos/cm	1	08/28/14 15:25	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW9G718		
Lab Sample ID:	C35636-18	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47885.D	1	08/26/14	JC	n/a	n/a	VW1721
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G718		
Lab Sample ID:	C35636-18	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	107%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G718		
Lab Sample ID:	C35636-18	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/06/14 21:26	PH	EPA 314
Specific Conductivity	343	1.0	1.0	umhos/cm	1	08/28/14 15:25	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW9G648		
Lab Sample ID:	C35636-19	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47886.D	1	08/26/14	JC	n/a	n/a	VW1721
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	16.8	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G648		
Lab Sample ID:	C35636-19	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	109%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G648		
Lab Sample ID:	C35636-19	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/06/14 21:43	PH	EPA 314
Specific Conductivity	285	1.0	1.0	umhos/cm	1	08/28/14 15:25	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW9G562		
Lab Sample ID:	C35636-20	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47887.D	1	08/26/14	JC	n/a	n/a	VW1721
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	9.1	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G562		
Lab Sample ID:	C35636-20	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	1.2	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	108%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G562		
Lab Sample ID:	C35636-20	**Date Sampled:**	08/20/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	37.9	1.0	0.31	ug/l	1	09/06/14 22:01	PH	EPA 314
Specific Conductivity	181	1.0	1.0	umhos/cm	1	08/28/14 15:25	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	EB2082014		
Lab Sample ID:	C35636-21	**Date Sampled:**	08/20/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47888.D	1	08/26/14	JC	n/a	n/a	VW1721
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	14.4	100	5.0	ug/l	JB
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB2082014		
Lab Sample ID:	C35636-21	**Date Sampled:**	08/20/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB2082014		
Lab Sample ID:	C35636-21	**Date Sampled:**	08/20/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/07/14 01:47	PH	EPA 314
Specific Conductivity	1.6	1.0	1.0	umhos/cm	1	08/28/14 15:25	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW9G482		
Lab Sample ID:	C35636-22	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48061.D	1	09/03/14	BD	n/a	n/a	VW1728
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	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G482		
Lab Sample ID:	C35636-22	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	4.7	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	104%		70-130%
2037-26-5	Toluene-D8	106%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G482		
Lab Sample ID:	C35636-22	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	226	10	3.1	ug/l	10	09/07/14 14:03	PH	EPA 314
Specific Conductivity	449	1.0	1.0	umhos/cm	1	08/28/14 15:25	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW9G412		
Lab Sample ID:	C35636-23	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48062.D	1	09/03/14	BD	n/a	n/a	VW1728
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G412		
Lab Sample ID:	C35636-23	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	105%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G412		
Lab Sample ID:	C35636-23	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	2.6	1.0	0.31	ug/l	1	09/07/14 02:22	PH	EPA 314
Specific Conductivity	460	1.0	1.0	umhos/cm	1	08/28/14 15:25	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	CPW16G753		
Lab Sample ID:	C35636-24	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48063.D	1	09/03/14	BD	n/a	n/a	VW1728
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G753		
Lab Sample ID:	C35636-24	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	105%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G753		
Lab Sample ID:	C35636-24	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/07/14 02:39	PH	EPA 314
Specific Conductivity	259	1.0	1.0	umhos/cm	1	08/28/14 15:25	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	CPW16G718		
Lab Sample ID:	C35636-25	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48019.D	1	08/31/14	JC	n/a	n/a	VW1726
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	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	16.8	100	5.0	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride [a]	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:	CPW16G718		
Lab Sample ID:	C35636-25	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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 [a]	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	107%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G718		
Lab Sample ID:	C35636-25	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.75 B	1.0	0.31	ug/l	1	09/07/14 02:57	PH	EPA 314
Specific Conductivity	284	1.0	1.0	umhos/cm	1	08/28/14 15:25	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	CPW16G638		
Lab Sample ID:	C35636-26	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48020.D	1	08/31/14	JC	n/a	n/a	VW1726
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	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	13.3	100	5.0	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride [a]	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G638		
Lab Sample ID:	C35636-26	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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 [a]	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	101%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G638		
Lab Sample ID:	C35636-26	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/07/14 03:49	PH	EPA 314
Specific Conductivity	360	1.0	1.0	umhos/cm	1	08/28/14 15:25	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	CPW16G513		
Lab Sample ID:	C35636-27	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48021.D	1	08/31/14	JC	n/a	n/a	VW1726
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	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	100	5.0	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride [a]	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G513		
Lab Sample ID:	C35636-27	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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 [a]	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	106%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G513		
Lab Sample ID:	C35636-27	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	1.0	1.0	0.31	ug/l	1	09/07/14 04:06	PH	EPA 314
Specific Conductivity	234	1.0	1.0	umhos/cm	1	08/28/14 15:25	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	CPW16G417		
Lab Sample ID:	C35636-28	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48022.D	1	08/31/14	JC	n/a	n/a	VW1726
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	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	8.1	100	5.0	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride [a]	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G417		
Lab Sample ID:	C35636-28	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	2.1	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane [a]	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	110%		70-130%
2037-26-5	Toluene-D8	107%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G417		
Lab Sample ID:	C35636-28	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	119	5.0	1.6	ug/l	5	09/07/14 14:55	PH	EPA 314
Specific Conductivity	449	1.0	1.0	umhos/cm	1	08/28/14 15:25	RL	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	CPW16H417		
Lab Sample ID:	C35636-29	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48035.D	1	09/02/14	BD	n/a	n/a	VW1727
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16H417		
Lab Sample ID:	C35636-29	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	1.9	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	103%		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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16H417		
Lab Sample ID:	C35636-29	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	116	5.0	1.6	ug/l	5	09/07/14 15:13	PH	EPA 314
Specific Conductivity	454	1.0	1.0	umhos/cm	1	08/29/14 10:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	CPW16G378		
Lab Sample ID:	C35636-30	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48036.D	1	09/02/14	BD	n/a	n/a	VW1727
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G378		
Lab Sample ID:	C35636-30	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	1.8	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	104%		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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G378		
Lab Sample ID:	C35636-30	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	104	5.0	1.6	ug/l	5	09/07/14 15:30	PH	EPA 314
Specific Conductivity	503	1.0	1.0	umhos/cm	1	08/29/14 10:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	CPW16G295		
Lab Sample ID:	C35636-31	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48037.D	1	09/02/14	BD	n/a	n/a	VW1727
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G295		
Lab Sample ID:	C35636-31	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	103%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G295		
Lab Sample ID:	C35636-31	**Date Sampled:**	08/21/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	17.4	1.0	0.31	ug/l	1	09/07/14 05:16	PH	EPA 314
Specific Conductivity	637	1.0	1.0	umhos/cm	1	08/29/14 10:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	EB3082114		
Lab Sample ID:	C35636-32	**Date Sampled:**	08/21/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48038.D	1	09/02/14	BD	n/a	n/a	VW1727
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB3082114		
Lab Sample ID:	C35636-32	**Date Sampled:**	08/21/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	104%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB3082114		
Lab Sample ID:	C35636-32	**Date Sampled:**	08/21/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/07/14 05:34	PH	EPA 314
Specific Conductivity	1.5	1.0	1.0	umhos/cm	1	08/29/14 10:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP3G899		
Lab Sample ID:	C35636-33	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48039.D	1	09/02/14	BD	n/a	n/a	VW1727
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	0.56	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP3G899		
Lab Sample ID:	C35636-33	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP3G899		
Lab Sample ID:	C35636-33	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/07/14 05:51	PH	EPA 314
Specific Conductivity	255	1.0	1.0	umhos/cm	1	08/29/14 10:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP3G814		
Lab Sample ID:	C35636-34	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48040.D	1	09/02/14	BD	n/a	n/a	VW1727
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP3G814		
Lab Sample ID:	C35636-34	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	103%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP3G814		
Lab Sample ID:	C35636-34	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/07/14 06:08	PH	EPA 314
Specific Conductivity	285	1.0	1.0	umhos/cm	1	08/29/14 10:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP3G687		
Lab Sample ID:	C35636-35	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48041.D	1	09/02/14	BD	n/a	n/a	VW1727
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	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP3G687		
Lab Sample ID:	C35636-35	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	105%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP3G687		
Lab Sample ID:	C35636-35	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	2.0	1.0	0.31	ug/l	1	09/07/14 06:26	PH	EPA 314
Specific Conductivity	392	1.0	1.0	umhos/cm	1	08/29/14 10:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP3G592		
Lab Sample ID:	C35636-36	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48042.D	1	09/02/14	BD	n/a	n/a	VW1727
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP3G592		
Lab Sample ID:	C35636-36	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP3G592		
Lab Sample ID:	C35636-36	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	2.3	1.0	0.31	ug/l	1	09/07/14 07:18	PH	EPA 314
Specific Conductivity	513	1.0	1.0	umhos/cm	1	08/29/14 10:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP3G457		
Lab Sample ID:	C35636-37	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48032.D	1	09/02/14	BD	n/a	n/a	VW1727
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP3G457		
Lab Sample ID:	C35636-37	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP3G457		
Lab Sample ID:	C35636-37	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	14.5	1.0	0.31	ug/l	1	09/07/14 07:35	PH	EPA 314
Specific Conductivity	668	1.0	1.0	umhos/cm	1	08/29/14 10:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP6G765		
Lab Sample ID:	C35636-38	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48043.D	1	09/02/14	BD	n/a	n/a	VW1727
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6G765		
Lab Sample ID:	C35636-38	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	104%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6G765		
Lab Sample ID:	C35636-38	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/07/14 08:31	PH	EPA 314
Specific Conductivity	286	1.0	1.0	umhos/cm	1	08/29/14 10:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP6G659		
Lab Sample ID:	C35636-39	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48044.D	1	09/02/14	BD	n/a	n/a	VW1727
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6G659		
Lab Sample ID:	C35636-39	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	104%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6G659		
Lab Sample ID:	C35636-39	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/07/14 08:49	PH	EPA 314
Specific Conductivity	281	1.0	1.0	umhos/cm	1	08/29/14 10:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP6G573		
Lab Sample ID:	C35636-40	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48045.D	1	09/02/14	BD	n/a	n/a	VW1727
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6G573		
Lab Sample ID:	C35636-40	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	104%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6G573		
Lab Sample ID:	C35636-40	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	2.9	1.0	0.31	ug/l	1	09/07/14 09:06	PH	EPA 314
Specific Conductivity	223	1.0	1.0	umhos/cm	1	08/29/14 10:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP6H573		
Lab Sample ID:	C35636-41	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48046.D	1	09/02/14	BD	n/a	n/a	VW1727
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6H573		
Lab Sample ID:	C35636-41	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6H573		
Lab Sample ID:	C35636-41	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	2.7	1.0	0.31	ug/l	1	09/07/14 12:54	PH	EPA 314
Specific Conductivity	218	1.0	1.0	umhos/cm	1	08/29/14 10:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP6G449		
Lab Sample ID:	C35636-42	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48047.D	1	09/02/14	BD	n/a	n/a	VW1727
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6G449		
Lab Sample ID:	C35636-42	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6G449		
Lab Sample ID:	C35636-42	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	3.1	1.0	0.31	ug/l	1	09/07/14 13:11	PH	EPA 314
Specific Conductivity	542	1.0	1.0	umhos/cm	1	08/29/14 10:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP6G355		
Lab Sample ID:	C35636-43	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48048.D	1	09/02/14	BD	n/a	n/a	VW1727
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6G355		
Lab Sample ID:	C35636-43	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6G355		
Lab Sample ID:	C35636-43	**Date Sampled:**	08/22/14
Matrix:	AQ - Ground Water	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	29.5	1.0	0.31	ug/l	1	09/07/14 13:28	PH	EPA 314
Specific Conductivity	648	1.0	1.0	umhos/cm	1	08/29/14 10:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	EB4082214		
Lab Sample ID:	C35636-44	**Date Sampled:**	08/22/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48064.D	1	09/03/14	BD	n/a	n/a	VW1728
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB4082214		
Lab Sample ID:	C35636-44	**Date Sampled:**	08/22/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	105%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB4082214		
Lab Sample ID:	C35636-44	**Date Sampled:**	08/22/14
Matrix:	AQ - Equipment Blank	**Date Received:**	08/23/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/07/14 13:46	PH	EPA 314
Specific Conductivity	1.6	1.0	1.0	umhos/cm	1	08/29/14 10:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	TB1082214		
Lab Sample ID:	C35636-45	**Date Sampled:**	08/22/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48065.D	1	09/03/14	BD	n/a	n/a	VW1728
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB1082214		
Lab Sample ID:	C35636-45	**Date Sampled:**	08/22/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB2082214		
Lab Sample ID:	C35636-46	**Date Sampled:**	08/22/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W48066.D	1	09/03/14	BD	n/a	n/a	VW1728
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB2082214		
Lab Sample ID:	C35636-46	**Date Sampled:**	08/22/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range 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

8055 7771 9473

CHAIN OF CUSTODY

ACCUTEST® LABORATORIES
2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest NC Job #: C35636

Client / Reporting Information

Company Name: ENSAFE, INC.
Address: 2151 SALVIO ST #301
City: CONCORD State: CA Zip: 94520
Project Contact: Josh Teves
Phone #: 925 305 2109
Samplers's Name: Ricky Villarreal

Project Information

Project Name: UTC RFF SUPERFUND
Street: —
City: — State: —
Project #: 08888155 69
EMAIL: JTEVES@ENSAFE.COM
Client Purchase Order #: 17343

Requested Analysis

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	VOCs (8260B)	Perchlorate (E314)
1	MP2G510	8-19-14	7:50	RV	GW	4	3				1				X	X
2	MP2G410	8-19-14	8:15	RV	GW	4	3				1				X	X
3	MP2G350	8-19-14	8:50	RV	GW	4	3				1				X	X
4	MP5G740	8-19-14	10:25	RV	GW	4	3				1				X	X
5	MP5G630	8-19-14	11:00	RV	GW	4	3				1				X	X
6	MP5H630	8-19-14	11:10	RV	GW	4	3				1				X	X
7	MP5G507	8-19-14	11:35	RV	GW	4	3				1				X	X
8	MP5G412	8-19-14	12:35	RV	GW	4	3				1				X	X
9	MP5G357	8-19-14	13:05	RV	GW	4	3				1				X	X
10	EB108 1914	8-19-14	13:15	RV	WQ	4	3				1				X	X

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI-Oil; WP-Wipe; LIQ - Non-aqueous Liquid; AIR; DW- Drinking Water (Perchlorate Only)

LAB USE ONLY

Turnaround Time (Business days)

- [X] 10 Day
- [ ] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day
- [ ] Same Day

Approved By/ Date: R.V. RFR; LSR.

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode
- [X] ENSAFE 3 FILE EQUIS

Comments / Remarks

WQ: WATER QUALITY (WATER) MATRIX
NORMAL RLs with J-FLAGS
Add preliminary Electronic data summaries
PDF DATA PACKAGE- Level 2

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 Ricky Villarreal	8-22-14 14:50	1 [signature] 8-22-14 14:50	2 [signature]	8-22-14 1630	2
Relinquished By: 3 [signature]	Date Time: 8/27/14 0919	Received By: 8 [signature]	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Appropriate Bottle / Pres. Y / N; Labels match Coc? Y / N	Headspace Y / N; Separate Receiving Check List used: Y / N; On Ice Y / N; Cooler Temp.

IRVINE

2 coolers TEMP= 2.2-0.3 = 1.9°C / 4.8-0.3 = 4.5°C 1 of 5

C35636: Chain of Custody
Page 1 of 7

CHAIN OF CUSTODY

ACCUTEST® LABORATORIES
2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest NC Job #: C35636

Client / Reporting Information

Company Name: ENSAFE, INC
Address: 2151 SALVIO ST #301
City: CONCORD State: CA Zip: 94520
Project Contact: Josh TEVES
Phone #: 925 305 2109
Samplers's Name: Ricky VILLARREAL

Project Information

Project Name: UTC KFF SUPERFUND
Street: —
City: — State: —
Project #: 08888815569
EMAIL: JTEVES@ENSAFE.com
Client Purchase Order #: 17343

Requested Analysis: VOCs (8260B); Perchlorate (E314)

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI-Oil; WP-Wipe; LIQ - Non-aqueous Liquid; AIR; DW- Drinking Water (Perchlorate Only)

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	VOCs (8260B)	Perchlorate (E314)						LAB USE ONLY
11	MP76701	8-20-14	8:40	RV	GW	4	3				1				X	X						ALL VIALS BROKEN (3)
12	MP76588	8-20-14	9:05	RV	GW	4	3				1				X	X						
13	MP76503	8-20-14	9:35	RV	GW	4	3				1				X	X						ALL VIALS BROKEN (3)
14	MP76433	8-20-14	10:00	RV	GW	4	3				1				X	X						
15	MP7H433	8-20-14	10:00	RV	GW	4	3				1				X	X						
16	MP76357	8-20-14	10:30	RV	GW	12	9				3				X	X						1 VIAL BROKEN
17	PW96808	8-20-14	12:00	RV	GW	4	3				1				X	X						
18	PW96718	8-20-14	12:30	RV	GW	4	3				1				X	X						
19	PW96648	8-20-14	13:25	RV	GW	4	3				1				X	X						
20	PW96562	8-20-14	13:55	RV	GW	4	3				1				X	X						

Turnaround Time (Business days)

- [X] 10 Day
- [ ] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day
- [ ] Same Day

Approved By/ Date: R.V. PER LSR

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commercial "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:
- [X] ENSAFE 3 FILE EQUIS

Comments / Remarks

EXTRA VOLUME FOR MP76357 FOR MS/MSD
NORMAL RIS with J - FLAGS
Rush Preliminary electronic data summaries
PDF DATA PACKAGE - Level 2

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Ricky Villarreal	8-22-14, 14:50	[signature]	2 [signature] 8-22-14 14:50	8-22-14 16:30	2
3	Relinquished by: [signature]	Date Time: 8/22/14	Received By: [signature] 09:30	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	Appropriate Bottle / Pres. Y / N; Labels match Coc? Y / N	Headspace Y / N; Separate Receiving Check List used: Y / N

Order #/#: IRVINE Cooler Temp. °C

2 of 5

10

5.1 5

C35636: Chain of Custody
Page 2 of 7

CHAIN OF CUSTODY

ACCUTEST® LABORATORIES
2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest NC Job #: C C35636

Client / Reporting Information

Company Name: ENSAFE, INC.
Address: 2151 SALVIO ST. #301
City: CONCORD State: CA Zip: 94520
Project Contact: JOSH TEVES
Phone #: 925 305 2109
Samplers's Name: RICKY VILLARREAL

Project Information

Project Name: UTC RSF SUPERFUND
Street: –
City: – State: –
Project #: 088881.5569
EMAIL: JTEVES@ENSAFE.COM
Client Purchase Order #: 17343

Requested Analysis

VOCs (8260B) | Perchlorate (E314)

Matrix Codes

WW- Wastewater
GW- Ground Water
SW- Surface Water
SO- Soil
OI-Oil
WP-Wipe
LIQ - Non-aqueous Liquid
AIR
DW- Drinking Water (Perchlorate Only)

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	VOCs (8260B)	Perchlorate (E314)	LAB USE ONLY
21	EB2082014	8-21-14	14:05	RV	WQ	4	3				1				X	X	
22	PW9G482	8-21-14	7:55	RV	GW	4	3				1				X	X	
23	PW9G412	8-21-14	8:30	RV	GW	4	3				1				X	X	
24	CPW16G753	8-21-14	10:00	RV	GW	4	3				1				X	X	
25	CPW16G718	8-21-14	10:30	RV	GW	4	3				1				X	X	
26	CPW16G638	8-21-14	11:05	RV	GW	4	3				1				X	X	
27	CPW16G513	8-21-14	11:40	RV	GW	4	3				1				X	X	
28	CPW16G417	8-21-14	12:45	RV	GW	4	3				1				X	X	
29	CPW16H417	8-21-14	12:45	RV	GW	4	3				1				X	X	
30	CPW16G378	8-21-14	13:15	RV	GW	4	3				1				X	X	

Turnaround Time (Business days)

- [X] 10 Day
- [ ] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day
- [ ] Same Day

Approved By:/ Date: P.V. PER LSA

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:
- [X] ENSAFE 3-PIE EQUIS

Comments / Remarks

WQ: WATER Quality control MATRIX
NORMAL RLS with J- FLAGS
Rush Preliminary Electronic DATA SUMMARIES
PDF DATA PACKAGE- LEVEL 2

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	RICKY VILLARREAL	8-22-14 14:50	1	2	8-22-14 1630	2
3	FEDEX	8/22/14 0915	3	4		4
5			5			

Custody Seal #:
Appropriate Bottle / Pres. Y / N
Headspace Y / N
On Ice Y / N
Cooler Temp. ___ °C
Labels match Coc? Y / N
Separate Receiving Check List used: Y / N

IRVINE

CHAIN OF CUSTODY

ACCUTEST® LABORATORIES
2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest NC Job #: C C35636

Client / Reporting Information

Company Name: ENSAFE, INC.
Address: 2151 SALVIO ST #301
City: CONCORD State: CA Zip: 94520
Project Contact: JOSH TEVES
Phone #: 925 305 2109
Samplers's Name: RICKY VILLAMEAL

Project Information

Project Name: UTC RPF SUPERFUND
Street: –
City: – State: –
Project #: 08868815569
EMAIL: JTEVES @ ENSAFE.COM
Client Purchase Order #: 17343

Requested Analysis

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI-Oil; WP-Wipe; LIQ - Non-aqueous Liquid; AIR; DW- Drinking Water (Perchlorate Only)

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	EnCORE	VOCS (8260B)	Perchlorate (E314)	LAB USE ONLY
31	CPW16G295	8-21-14	13:40	RV	GW	4	3				1				X	X	
32	EB3082114	8-21-14	13:55	RV	WQ	4	3				1				X	X	
33	MP3G899	8-22-14	7:45	RV	GW	4	3				1				X	X	
34	MP3G814	8-22-14	8:15	RV	GW	4	3				1				X	X	
35	MP3G687	8-22-14	8:50	RV	GW	4	3				1				X	X	
36	MP3G592	8-22-14	9:25	RV	GW	4	3				1				X	X	
37	MP3G457	8-21-14	10:00	RV	GW	12	9				3				X	X	
38	MP6G765	8-22-14	11:20	RV	GW	4	3				1				X	X	
39	MP6G659	8-22-14	11:55	RV	GW	4	3				1				X	X	
40	MP6G573	8-22-14	12:25	RV	GW	4	3				1				X	X	

Turnaround Time (Business days)

- [x] 10 Day
- [ ] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day
- [ ] Same Day

Approved By:/ Date: R.V. PER USR

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:
- [x] ENSAFE 3-FILE EDOES

Comments / Remarks

WQ: WATER QUALITY, EXTRA VOLUME FOR CONTROL WASHER, MP3G457 FOR MS/MSD
NORMAL RL'S WITH J-FLAGS
Rush PRELIMINARY Electronic data summaries
PDF DATA PACKAGE - Level 2

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Ricky Villameal	8-22-14 14:50	8-22-14 14:50	2	8-22-14 16:20	2
3	FEDEX	8/23/14 09:18		4		4
5						

Custody Seal #:
Appropriate Bottle / Pres. Y / N
Headspace Y / N
On Ice Y / N
Cooler Temp. °C
Labels match Coc? Y / N
Separate Receiving Check List used: Y / N

4 of 5

IRVINE

5.1 5

C35636: Chain of Custody
Page 4 of 7

CHAIN OF CUSTODY

ACCUTEST® LABORATORIES
2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest NC Job #: C C35636

Client / Reporting Information
Company: ENSAFE, INC.
Address: 2151 SALVIO ST # 301
City: CONCORD State: CA Zip: 94520
Project Contact: JOSH TEVES
Phone #: 925 305 2109
Samplers's Name: Ricky VILLAREAL

Project Information
Project Name: JTC RFP SUPERFUND
Street: —
City: — State: —
Project #: 08888 15569
EMAIL: JTEVES@ENSAFE.COM
Client Purchase Order #: 17313

Requested Analysis: VOCs (8260B), PERCHLORATE (E314)

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI-Oil; WP-Wipe; LIQ - Non-aqueous Liquid; AIR; DW- Drinking Water (Perchlorate Only)

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	VOCs (8260B)	PERCHLORATE (E314)	LAB USE ONLY
41	MP6H573	8-22-14	12:25	RV	GW	4	3				1				X	X	
42	MP6G449	8-22-14	13:20	RV	GW	4	3				1				X	X	
43	MP6G355	8-22-14	13:45	RV	GW	4	3				1				X	X	
44	EB4082214	8-22-14	13:55	RV	WQ	4	3				1				X	X	
45	TB1082214	8-22-14		RV	WQ	3	3								X		
46	TB2082214	8-22-14		RV	WQ	3	3								X		

Turnaround Time (Business days)
Approved By:/ Date: R.V. PER CSR
- [X] 10 Day
- [ ] 5 Day
- [ ] 3 Day (125% markup)
- [ ] 2 Day (150% markup)
- [ ] 1 Day (200% markup)
- [ ] Same Day (300% markup)

Emergency T/A data available VIA Lablink

Data Deliverable Information
- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
Provide EDF Global ID
Provide EDF Logcode: [X] ENSAFE 3-FILE EQUIS

Comments / Remarks
WQ: WATER QUALITY CONTROL MATRIX
MRMR RL'S WITH J- FLAGS
Rush PRELIMINARY ELECTRONIC DATA SUMMARIES
PDF DATA PACKAGE - LEVEL 2

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 Ricky VILLAREAL	8-22-14 14:50	1 [signature] 8-22-14 14:50	2 [signature]	8-22-14 1630	2
Relinquished by: 3 FEDEX	Date Time: 8/23/14 0918	Received By: 3 [signature]	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Appropriate Bottle / Pres. Y/N; Labels match Coc? Y / N	Headspace Y/N; On Ice Y/N; Separate Receiving Check List used: Y / N; Cooler Temp. ___ oC

5 OF 5

IRVINE

5.1 5

C35636: Chain of Custody
Page 5 of 7

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C35636 **Client:** ENSAFE **Project:** UTC RFF SUPERFUND

Date / Time Received: 8/23/2014 **Delivery Method:** FedEx **Airbill #'s:** 805577719473

Cooler Temps (Initial/Adjusted): #1: (2.2/1.9); #2: (4.8/4.5);

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	2

Quality Control Preservation	Y	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	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 MP7G701:3x 40mL HCL Vials broken
MP7G503:3x 40mL HCL Vials broken
MP7G357:1x 40mL HCL Vials broken

Accutest Laboratories
V:408.588.0200

2105 Lundy Avenue
F: 408.588.0201

San Jose, CA 95131
www/accutest.com

Sample Receipt Summary - Problem Resolution

Accutest Job Number: C35636

CSR: Elvin Kumar **Response Date:** 8/25/2014

Response: Client notified via email. C35636-11 (MP7G701) & C35636-13 (MP7G503) may be re-sampled at a later date.

Accutest Laboratories
V:408.588.0200

2105 Lundy Avenue
F: 408.588.0201

San Jose, CA 95131
www/accutest.com

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: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1720-MB	W47844.D	1	08/25/14	JC	n/a	n/a	VW1720

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-1, C35636-2

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 [a]	9.3	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	
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: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1720-MB	W47844.D	1	08/25/14	JC	n/a	n/a	VW1720

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-1, C35636-2

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	100%	70-130%
2037-26-5	Toluene-D8	107%	70-130%
460-00-4	4-Bromofluorobenzene	100%	70-130%

(a) Associated sample(s) with "B" qualifiers indicate analyte is found at concentrations less than 10 times of method blank.

Method Blank Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1721-MB	W47871.D	1	08/26/14	JC	n/a	n/a	VW1721

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-3, C35636-4, C35636-5, C35636-6, C35636-7, C35636-8, C35636-9, C35636-10, C35636-12, C35636-14, C35636-15, C35636-16, C35636-17, C35636-18, C35636-19, C35636-20, C35636-21

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 [a]	8.2	100	5.0	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride [a]	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	
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: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1721-MB	W47871.D	1	08/26/14	JC	n/a	n/a	VW1721

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-3, C35636-4, C35636-5, C35636-6, C35636-7, C35636-8, C35636-9, C35636-10, C35636-12, C35636-14, C35636-15, C35636-16, C35636-17, C35636-18, C35636-19, C35636-20, C35636-21

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	101%	70-130%
2037-26-5	Toluene-D8	106%	70-130%
460-00-4	4-Bromofluorobenzene	100%	70-130%

(a) Associated sample(s) with "B" qualifiers indicate analyte is found at concentrations less than 10 times of method blank.

Method Blank Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1726-MB	W48005.D	1	08/31/14	JC	n/a	n/a	VW1726

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-25, C35636-26, C35636-27, C35636-28

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: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1726-MB	W48005.D	1	08/31/14	JC	n/a	n/a	VW1726

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-25, C35636-26, C35636-27, C35636-28

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	105%	70-130%
2037-26-5	Toluene-D8	106%	70-130%
460-00-4	4-Bromofluorobenzene	99%	70-130%

Method Blank Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1727-MB	W48031.D	1	09/02/14	BD	n/a	n/a	VW1727

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-29, C35636-30, C35636-31, C35636-32, C35636-33, C35636-34, C35636-35, C35636-36, C35636-37, C35636-38, C35636-39, C35636-40, C35636-41, C35636-42, C35636-43

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: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1727-MB	W48031.D	1	09/02/14	BD	n/a	n/a	VW1727

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-29, C35636-30, C35636-31, C35636-32, C35636-33, C35636-34, C35636-35, C35636-36, C35636-37, C35636-38, C35636-39, C35636-40, C35636-41, C35636-42, C35636-43

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	100%	70-130%
2037-26-5	Toluene-D8	104%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

Method Blank Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1728-MB	W48059.D	1	09/03/14	BD	n/a	n/a	VW1728

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-22, C35636-23, C35636-24, C35636-44, C35636-45, C35636-46

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: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1728-MB	W48059.D	1	09/03/14	BD	n/a	n/a	VW1728

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-22, C35636-23, C35636-24, C35636-44, C35636-45, C35636-46

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	97%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	96%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1720-BS	W47841.D	1	08/25/14	JC	n/a	n/a	VW1720
VW1720-BSD	W47842.D	1	08/25/14	JC	n/a	n/a	VW1720

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-1, C35636-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.2	101	20.5	103	1	77-122/25
108-90-7	Chlorobenzene	20	21.0	105	21.5	108	2	77-122/16
75-00-3	Chloroethane	20	19.3	97	20.0	100	4	69-133/18
67-66-3	Chloroform	20	21.7	109	22.6	113	4	74-126/17
56-23-5	Carbon tetrachloride	20	22.7	114	22.0	110	3	71-133/19
75-34-3	1,1-Dichloroethane	20	20.9	105	21.6	108	3	71-125/17
75-35-4	1,1-Dichloroethylene	20	20.3	102	20.3	102	0	66-125/20
106-93-4	1,2-Dibromoethane	20	20.4	102	21.0	105	3	75-135/17
107-06-2	1,2-Dichloroethane	20	20.5	103	21.0	105	2	71-131/17
78-87-5	1,2-Dichloropropane	20	20.7	104	21.0	105	1	78-124/16
75-71-8	Dichlorodifluoromethane	20	15.7	79	14.6	73	7	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	21.1	106	21.8	109	3	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	21.8	109	22.4	112	3	72-130/16
541-73-1	m-Dichlorobenzene	20	21.5	108	21.8	109	1	75-124/16
95-50-1	o-Dichlorobenzene	20	21.3	107	21.8	109	2	76-124/16
106-46-7	p-Dichlorobenzene	20	20.2	101	20.8	104	3	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	20.7	104	21.3	107	3	71-126/16
100-41-4	Ethylbenzene	20	20.5	103	20.7	104	1	76-126/17
76-13-1	Freon 113	20	16.3	82	15.4	77	6	60-145/25
87-68-3	Hexachlorobutadiene	20	20.5	103	20.2	101	1	69-135/20
67-63-0	Isopropyl Alcohol	400	387	97	402	101	4	70-130/20
74-83-9	Methyl bromide	20	21.8	109	22.7	114	4	68-132/18
74-87-3	Methyl chloride	20	18.7	94	19.3	97	3	39-150/28
75-09-2	Methylene chloride	20	19.7	99	20.6	103	4	67-128/18
100-42-5	Styrene	20	19.8	99	20.3	102	2	72-134/16
71-55-6	1,1,1-Trichloroethane	20	22.7	114	22.8	114	0	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	21.5	108	22.2	111	3	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	19.1	96	19.6	98	3	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	20.9	105	21.1	106	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	22.0	110	22.1	111	0	77-129/17
127-18-4	Tetrachloroethylene	20	20.3	102	20.2	101	0	69-127/20
108-88-3	Toluene	20	20.6	103	20.6	103	0	75-122/17
79-01-6	Trichloroethylene	20	21.0	105	21.0	105	0	78-123/17
75-69-4	Trichlorofluoromethane	20	22.5	113	21.9	110	3	65-136/23
75-01-4	Vinyl chloride	20	19.7	99	19.5	98	1	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1720-BS	W47841.D	1	08/25/14	JC	n/a	n/a	VW1720
VW1720-BSD	W47842.D	1	08/25/14	JC	n/a	n/a	VW1720

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-1, C35636-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	41.1	103	41.2	103	0	76-125/17
95-47-6	o-Xylene	20	21.1	106	21.2	106	0	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	108%	111%	70-130%
2037-26-5	Toluene-D8	103%	103%	70-130%
460-00-4	4-Bromofluorobenzene	101%	102%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1721-BS	W47868.D	1	08/26/14	JC	n/a	n/a	VW1721
VW1721-BSD	W47869.D	1	08/26/14	JC	n/a	n/a	VW1721

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-3, C35636-4, C35636-5, C35636-6, C35636-7, C35636-8, C35636-9, C35636-10, C35636-12, C35636-14, C35636-15, C35636-16, C35636-17, C35636-18, C35636-19, C35636-20, C35636-21

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	19.0	95	18.8	94	1	77-122/25
108-90-7	Chlorobenzene	20	19.6	98	19.4	97	1	77-122/16
75-00-3	Chloroethane	20	18.8	94	18.2	91	3	69-133/18
67-66-3	Chloroform	20	20.3	102	20.1	101	1	74-126/17
56-23-5	Carbon tetrachloride	20	21.2	106	20.7	104	2	71-133/19
75-34-3	1,1-Dichloroethane	20	19.5	98	19.3	97	1	71-125/17
75-35-4	1,1-Dichloroethylene	20	18.9	95	18.3	92	3	66-125/20
106-93-4	1,2-Dibromoethane	20	19.6	98	18.9	95	4	75-135/17
107-06-2	1,2-Dichloroethane	20	19.5	98	19.1	96	2	71-131/17
78-87-5	1,2-Dichloropropane	20	19.4	97	19.2	96	1	78-124/16
75-71-8	Dichlorodifluoromethane	20	15.0	75	13.6	68	10	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	19.6	98	19.4	97	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	20.8	104	20.5	103	1	72-130/16
541-73-1	m-Dichlorobenzene	20	20.1	101	20.1	101	0	75-124/16
95-50-1	o-Dichlorobenzene	20	20.1	101	20.0	100	0	76-124/16
106-46-7	p-Dichlorobenzene	20	19.1	96	19.0	95	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	19.9	100	19.3	97	3	71-126/16
100-41-4	Ethylbenzene	20	19.2	96	19.0	95	1	76-126/17
76-13-1	Freon 113	20	15.1	76	14.3	72	5	60-145/25
87-68-3	Hexachlorobutadiene	20	19.3	97	19.1	96	1	69-135/20
67-63-0	Isopropyl Alcohol	400	414	104	391	98	6	70-130/20
74-83-9	Methyl bromide	20	20.6	103	20.1	101	2	68-132/18
74-87-3	Methyl chloride	20	18.0	90	17.1	86	5	39-150/28
75-09-2	Methylene chloride	20	18.9	95	18.1	91	4	67-128/18
100-42-5	Styrene	20	18.5	93	18.3	92	1	72-134/16
71-55-6	1,1,1-Trichloroethane	20	21.1	106	20.6	103	2	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	20.7	104	20.3	102	2	77-129/17
79-00-5	1,1,2-Trichloroethane	20	19.5	98	19.1	96	2	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	18.4	92	18.3	92	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	19.6	98	19.5	98	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	20.4	102	20.6	103	1	77-129/17
127-18-4	Tetrachloroethylene	20	19.1	96	18.6	93	3	69-127/20
108-88-3	Toluene	20	19.1	96	18.9	95	1	75-122/17
79-01-6	Trichloroethylene	20	19.5	98	19.2	96	2	78-123/17
75-69-4	Trichlorofluoromethane	20	21.8	109	20.3	102	7	65-136/23
75-01-4	Vinyl chloride	20	19.3	97	18.0	90	7	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1721-BS	W47868.D	1	08/26/14	JC	n/a	n/a	VW1721
VW1721-BSD	W47869.D	1	08/26/14	JC	n/a	n/a	VW1721

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-3, C35636-4, C35636-5, C35636-6, C35636-7, C35636-8, C35636-9, C35636-10, C35636-12, C35636-14, C35636-15, C35636-16, C35636-17, C35636-18, C35636-19, C35636-20, C35636-21

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	38.4	96	37.9	95	1	76-125/17
95-47-6	o-Xylene	20	19.6	98	19.4	97	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	108%	106%	70-130%
2037-26-5	Toluene-D8	103%	103%	70-130%
460-00-4	4-Bromofluorobenzene	103%	101%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1726-BS	W48002.D	1	08/31/14	JC	n/a	n/a	VW1726
VW1726-BSD	W48003.D	1	08/31/14	JC	n/a	n/a	VW1726

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-25, C35636-26, C35636-27, C35636-28

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	19.1	96	18.3	92	4	77-122/25
108-90-7	Chlorobenzene	20	19.6	98	19.2	96	2	77-122/16
75-00-3	Chloroethane	20	18.6	93	17.6	88	6	69-133/18
67-66-3	Chloroform	20	21.1	106	19.9	100	6	74-126/17
56-23-5	Carbon tetrachloride	20	20.9	105	19.4	97	7	71-133/19
75-34-3	1,1-Dichloroethane	20	20.4	102	19.2	96	6	71-125/17
75-35-4	1,1-Dichloroethylene	20	18.5	93	17.4	87	6	66-125/20
106-93-4	1,2-Dibromoethane	20	19.2	96	18.4	92	4	75-135/17
107-06-2	1,2-Dichloroethane	20	19.7	99	18.7	94	5	71-131/17
78-87-5	1,2-Dichloropropane	20	19.9	100	19.1	96	4	78-124/16
75-71-8	Dichlorodifluoromethane	20	13.0	65	11.7	59	11	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	20.0	100	19.0	95	5	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	20.8	104	20.0	100	4	72-130/16
541-73-1	m-Dichlorobenzene	20	20.6	103	19.9	100	3	75-124/16
95-50-1	o-Dichlorobenzene	20	20.3	102	19.7	99	3	76-124/16
106-46-7	p-Dichlorobenzene	20	19.6	98	18.8	94	4	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	19.7	99	18.9	95	4	71-126/16
100-41-4	Ethylbenzene	20	19.3	97	18.4	92	5	76-126/17
76-13-1	Freon 113	20	14.4	72	13.0	65	10	60-145/25
87-68-3	Hexachlorobutadiene	20	19.6	98	18.2	91	7	69-135/20
67-63-0	Isopropyl Alcohol	400	391	98	370	93	6	70-130/20
74-83-9	Methyl bromide	20	20.4	102	19.6	98	4	68-132/18
74-87-3	Methyl chloride	20	17.6	88	16.6	83	6	39-150/28
75-09-2	Methylene chloride	20	18.5	93	17.8	89	4	67-128/18
100-42-5	Styrene	20	18.7	94	17.9	90	4	72-134/16
71-55-6	1,1,1-Trichloroethane	20	21.3	107	19.7	99	8	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	20.3	102	19.4	97	5	77-129/17
79-00-5	1,1,2-Trichloroethane	20	19.1	96	18.4	92	4	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	18.7	94	17.8	89	5	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	19.8	99	19.0	95	4	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	20.7	104	19.8	99	4	77-129/17
127-18-4	Tetrachloroethylene	20	18.6	93	17.7	89	5	69-127/20
108-88-3	Toluene	20	18.9	95	18.3	92	3	75-122/17
79-01-6	Trichloroethylene	20	19.6	98	18.7	94	5	78-123/17
75-69-4	Trichlorofluoromethane	20	21.1	106	19.6	98	7	65-136/23
75-01-4	Vinyl chloride	20	18.1	91	17.0	85	6	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1726-BS	W48002.D	1	08/31/14	JC	n/a	n/a	VW1726
VW1726-BSD	W48003.D	1	08/31/14	JC	n/a	n/a	VW1726

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-25, C35636-26, C35636-27, C35636-28

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	38.3	96	36.8	92	4	76-125/17
95-47-6	o-Xylene	20	19.5	98	18.8	94	4	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	110%	108%	70-130%
2037-26-5	Toluene-D8	103%	102%	70-130%
460-00-4	4-Bromofluorobenzene	102%	101%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1727-BS	W48028.D	1	09/02/14	BD	n/a	n/a	VW1727
VW1727-BSD	W48029.D	1	09/02/14	BD	n/a	n/a	VW1727

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-29, C35636-30, C35636-31, C35636-32, C35636-33, C35636-34, C35636-35, C35636-36, C35636-37, C35636-38, C35636-39, C35636-40, C35636-41, C35636-42, C35636-43

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.8	104	20.8	104	0	77-122/25
108-90-7	Chlorobenzene	20	20.5	103	20.4	102	0	77-122/16
75-00-3	Chloroethane	20	20.1	101	19.9	100	1	69-133/18
67-66-3	Chloroform	20	22.2	111	22.3	112	0	74-126/17
56-23-5	Carbon tetrachloride	20	23.2	116	22.8	114	2	71-133/19
75-34-3	1,1-Dichloroethane	20	22.4	112	22.5	113	0	71-125/17
75-35-4	1,1-Dichloroethylene	20	21.5	108	21.6	108	0	66-125/20
106-93-4	1,2-Dibromoethane	20	20.1	101	20.4	102	1	75-135/17
107-06-2	1,2-Dichloroethane	20	20.7	104	20.8	104	0	71-131/17
78-87-5	1,2-Dichloropropane	20	21.2	106	21.1	106	0	78-124/16
75-71-8	Dichlorodifluoromethane	20	15.2	76	14.5	73	5	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	21.4	107	21.6	108	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	21.4	107	21.6	108	1	72-130/16
541-73-1	m-Dichlorobenzene	20	21.2	106	21.3	107	0	75-124/16
95-50-1	o-Dichlorobenzene	20	20.6	103	20.9	105	1	76-124/16
106-46-7	p-Dichlorobenzene	20	20.9	105	21.0	105	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	21.7	109	21.6	108	0	71-126/16
100-41-4	Ethylbenzene	20	20.9	105	20.6	103	1	76-126/17
76-13-1	Freon 113	20	23.8	119	23.4	117	2	60-145/25
87-68-3	Hexachlorobutadiene	20	21.5	108	21.5	108	0	69-135/20
67-63-0	Isopropyl Alcohol	400	454	114	445	111	2	70-130/20
74-83-9	Methyl bromide	20	20.6	103	20.6	103	0	68-132/18
74-87-3	Methyl chloride	20	19.6	98	19.2	96	2	39-150/28
75-09-2	Methylene chloride	20	20.1	101	20.3	102	1	67-128/18
100-42-5	Styrene	20	19.9	100	19.7	99	1	72-134/16
71-55-6	1,1,1-Trichloroethane	20	22.9	115	22.6	113	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	20.8	104	21.1	106	1	77-129/17
79-00-5	1,1,2-Trichloroethane	20	20.1	101	20.4	102	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	19.9	100	19.9	100	0	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	21.4	107	21.1	106	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	21.5	108	21.4	107	0	77-129/17
127-18-4	Tetrachloroethylene	20	20.9	105	20.7	104	1	69-127/20
108-88-3	Toluene	20	20.8	104	20.5	103	1	75-122/17
79-01-6	Trichloroethylene	20	21.3	107	21.3	107	0	78-123/17
75-69-4	Trichlorofluoromethane	20	18.3	92	17.9	90	2	65-136/23
75-01-4	Vinyl chloride	20	17.7	89	17.5	88	1	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1727-BS	W48028.D	1	09/02/14	BD	n/a	n/a	VW1727
VW1727-BSD	W48029.D	1	09/02/14	BD	n/a	n/a	VW1727

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-29, C35636-30, C35636-31, C35636-32, C35636-33, C35636-34, C35636-35, C35636-36, C35636-37, C35636-38, C35636-39, C35636-40, C35636-41, C35636-42, C35636-43

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	40.9	102	40.4	101	1	76-125/17
95-47-6	o-Xylene	20	20.3	102	20.1	101	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	106%	107%	70-130%
2037-26-5	Toluene-D8	101%	100%	70-130%
460-00-4	4-Bromofluorobenzene	101%	100%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1728-BS	W48056.D	1	09/03/14	BD	n/a	n/a	VW1728
VW1728-BSD	W48057.D	1	09/03/14	BD	n/a	n/a	VW1728

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-22, C35636-23, C35636-24, C35636-44, C35636-45, C35636-46

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	18.4	92	6	77-122/25
108-90-7	Chlorobenzene	20	19.6	98	18.5	93	6	77-122/16
75-00-3	Chloroethane	20	20.7	104	19.2	96	8	69-133/18
67-66-3	Chloroform	20	21.0	105	20.0	100	5	74-126/17
56-23-5	Carbon tetrachloride	20	21.3	107	19.2	96	10	71-133/19
75-34-3	1,1-Dichloroethane	20	21.1	106	20.1	101	5	71-125/17
75-35-4	1,1-Dichloroethylene	20	20.1	101	18.3	92	9	66-125/20
106-93-4	1,2-Dibromoethane	20	19.3	97	18.4	92	5	75-135/17
107-06-2	1,2-Dichloroethane	20	19.6	98	18.4	92	6	71-131/17
78-87-5	1,2-Dichloropropane	20	20.1	101	18.9	95	6	78-124/16
75-71-8	Dichlorodifluoromethane	20	15.2	76	14.0	70	8	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	20.4	102	19.4	97	5	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	20.4	102	19.3	97	6	72-130/16
541-73-1	m-Dichlorobenzene	20	20.3	102	19.3	97	5	75-124/16
95-50-1	o-Dichlorobenzene	20	20.0	100	19.0	95	5	76-124/16
106-46-7	p-Dichlorobenzene	20	20.1	101	18.9	95	6	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	20.3	102	19.3	97	5	71-126/16
100-41-4	Ethylbenzene	20	19.7	99	18.4	92	7	76-126/17
76-13-1	Freon 113	20	21.6	108	18.9	95	13	60-145/25
87-68-3	Hexachlorobutadiene	20	19.8	99	18.4	92	7	69-135/20
67-63-0	Isopropyl Alcohol	400	426	107	410	103	4	70-130/20
74-83-9	Methyl bromide	20	20.9	105	19.5	98	7	68-132/18
74-87-3	Methyl chloride	20	19.1	96	17.6	88	8	39-150/28
75-09-2	Methylene chloride	20	19.2	96	18.3	92	5	67-128/18
100-42-5	Styrene	20	18.8	94	17.9	90	5	72-134/16
71-55-6	1,1,1-Trichloroethane	20	21.3	107	19.7	99	8	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	20.0	100	18.9	95	6	77-129/17
79-00-5	1,1,2-Trichloroethane	20	19.3	97	18.3	92	5	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	18.9	95	18.0	90	5	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	20.3	102	18.9	95	7	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	20.3	102	19.0	95	7	77-129/17
127-18-4	Tetrachloroethylene	20	19.7	99	18.1	91	8	69-127/20
108-88-3	Toluene	20	19.7	99	18.5	93	6	75-122/17
79-01-6	Trichloroethylene	20	20.3	102	18.9	95	7	78-123/17
75-69-4	Trichlorofluoromethane	20	19.6	98	19.1	96	3	65-136/23
75-01-4	Vinyl chloride	20	18.4	92	17.2	86	7	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1728-BS	W48056.D	1	09/03/14	BD	n/a	n/a	VW1728
VW1728-BSD	W48057.D	1	09/03/14	BD	n/a	n/a	VW1728

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-22, C35636-23, C35636-24, C35636-44, C35636-45, C35636-46

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	38.7	97	36.2	91	7	76-125/17
95-47-6	o-Xylene	20	19.1	96	18.1	91	5	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	104%	107%	70-130%
2037-26-5	Toluene-D8	99%	102%	70-130%
460-00-4	4-Bromofluorobenzene	97%	101%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35585-1MS	W47863.D	400	08/25/14	JC	n/a	n/a	VW1720
C35585-1MSD	W47864.D	400	08/25/14	JC	n/a	n/a	VW1720
C35585-1	W47862.D	40	08/25/14	JC	n/a	n/a	VW1720
C35585-1	W47861.D	400	08/25/14	JC	n/a	n/a	VW1720

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-1, C35636-2

CAS No.	Compound	C35585-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		8000	9130	114	8000	9130	114	0	77-122/16
108-90-7	Chlorobenzene	ND		8000	9290	116	8000	9390	117	1	77-122/16
75-00-3	Chloroethane	ND		8000	9130	114	8000	9150	114	0	69-133/18
67-66-3	Chloroform	ND		8000	10300	129* [a]	8000	10200	128* [a]	1	74-126/17
56-23-5	Carbon tetrachloride	ND		8000	9920	124	8000	9580	120	3	71-133/19
75-34-3	1,1-Dichloroethane	ND		8000	9860	123	8000	9790	122	1	71-125/17
75-35-4	1,1-Dichloroethylene	36.3		8000	8880	111	8000	8800	110	1	66-125/20
106-93-4	1,2-Dibromoethane	ND		8000	9010	113	8000	9210	115	2	75-135/17
107-06-2	1,2-Dichloroethane	ND		8000	9680	121	8000	9470	118	2	71-131/17
78-87-5	1,2-Dichloropropane	ND		8000	9450	118	8000	9390	117	1	78-124/16
75-71-8	Dichlorodifluoromethane	ND		8000	7410	93	8000	7030	88	5	32-168/28
156-59-2	cis-1,2-Dichloroethylene	38500 [c]		8000	52900	180* [b]	8000	53300	185* [b]	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		8000	9630	120	8000	9600	120	0	72-130/16
541-73-1	m-Dichlorobenzene	ND		8000	9430	118	8000	9540	119	1	75-124/16
95-50-1	o-Dichlorobenzene	ND		8000	9390	117	8000	9450	118	1	76-124/16
106-46-7	p-Dichlorobenzene	ND		8000	8930	112	8000	8900	111	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		8000	9140	114	8000	9210	115	1	71-126/16
100-41-4	Ethylbenzene	ND		8000	9120	114	8000	9190	115	1	76-126/17
76-13-1	Freon 113	ND		8000	6810	85	8000	6440	81	6	60-145/25
87-68-3	Hexachlorobutadiene	ND		8000	8310	104	8000	8120	102	2	69-135/20
67-63-0	Isopropyl Alcohol	ND		160000	156000	98	160000	183000	114	16	70-130/20
74-83-9	Methyl bromide	ND		8000	9960	125	8000	10100	126	1	68-132/18
74-87-3	Methyl chloride	ND		8000	9080	114	8000	8960	112	1	39-150/28
75-09-2	Methylene chloride	111		8000	9970	123	8000	10700	132* [a]	7	67-128/18
100-42-5	Styrene	ND		8000	8750	109	8000	8860	111	1	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		8000	10300	129* [a]	8000	10100	126	2	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		8000	9610	120	8000	9660	121	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		8000	9350	117	8000	9340	117	0	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		8000	8250	103	8000	8310	104	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		8000	9210	115	8000	9260	116	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		8000	9690	121	8000	9650	121	0	77-129/17
127-18-4	Tetrachloroethylene	61.1		8000	8550	106	8000	8610	107	1	69-127/20
108-88-3	Toluene	ND		8000	9050	113	8000	9160	115	1	75-122/17
79-01-6	Trichloroethylene	3450		8000	12600	114	8000	12500	113	1	78-123/17
75-69-4	Trichlorofluoromethane	ND		8000	10000	125	8000	10100	126	1	65-136/23
75-01-4	Vinyl chloride	11400 [c]		8000	21800	130	8000	21900	131	0	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35585-1MS	W47863.D	400	08/25/14	JC	n/a	n/a	VW1720
C35585-1MSD	W47864.D	400	08/25/14	JC	n/a	n/a	VW1720
C35585-1	W47862.D	40	08/25/14	JC	n/a	n/a	VW1720
C35585-1	W47861.D	400	08/25/14	JC	n/a	n/a	VW1720

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-1, C35636-2

CAS No.	Compound	C35585-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		16000	18000	113	16000	18200	114	1	76-125/17
95-47-6	o-Xylene	ND		8000	9230	115	8000	9340	117	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C35585-1	C35585-1	Limits
1868-53-7	Dibromofluoromethane	112%	112%	118%	115%	70-130%
2037-26-5	Toluene-D8	103%	104%	106%	106%	70-130%
460-00-4	4-Bromofluorobenzene	104%	103%	103%	104%	70-130%

(a) Outside laboratory control limits.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Result is from Run #2.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35636-16MS	W47889.D	1	08/26/14	JC	n/a	n/a	VW1721
C35636-16MSD	W47890.D	1	08/26/14	JC	n/a	n/a	VW1721
C35636-16	W47883.D	1	08/26/14	JC	n/a	n/a	VW1721

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-3, C35636-4, C35636-5, C35636-6, C35636-7, C35636-8, C35636-9, C35636-10, C35636-12, C35636-14, C35636-15, C35636-16, C35636-17, C35636-18, C35636-19, C35636-20, C35636-21

CAS No.	Compound	C35636-16 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	20.0	100	20	19.6	98	2	77-122/16
108-90-7	Chlorobenzene	ND		20	20.3	102	20	20.1	101	1	77-122/16
75-00-3	Chloroethane	ND		20	20.0	100	20	20.0	100	0	69-133/18
67-66-3	Chloroform	ND		20	21.6	108	20	21.2	106	2	74-126/17
56-23-5	Carbon tetrachloride	ND		20	23.1	116	20	22.7	114	2	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	21.1	106	20	20.6	103	2	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	20.3	102	20	20.0	100	1	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	19.4	97	20	19.3	97	1	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	20.6	103	20	19.8	99	4	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	20.4	102	20	20.1	101	1	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	17.2	86	20	16.2	81	6	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	20.2	101	20	20.0	100	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	20.7	104	20	20.2	101	2	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	20.3	102	20	20.4	102	0	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	20.4	102	20	20.3	102	0	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	19.3	97	20	19.3	97	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	19.8	99	20	19.5	98	2	71-126/16
100-41-4	Ethylbenzene	ND		20	20.4	102	20	20.1	101	1	76-126/17
76-13-1	Freon 113	ND		20	15.8	79	20	15.8	79	0	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	19.4	97	20	19.7	99	2	69-135/20
67-63-0	Isopropyl Alcohol	37.0	JB	400	387	88	400	417	95	7	70-130/20
74-83-9	Methyl bromide	ND		20	21.3	107	20	21.2	106	0	68-132/18
74-87-3	Methyl chloride	0.48	JB	20	20.0	98	20	19.0	93	5	39-150/28
75-09-2	Methylene chloride	ND		20	18.6	93	20	18.4	92	1	67-128/18
100-42-5	Styrene	ND		20	19.2	96	20	18.9	95	2	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	23.0	115	20	22.5	113	2	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	20.6	103	20	20.4	102	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	20.2	101	20	19.7	99	3	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	18.0	90	20	18.2	91	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	19.9	100	20	19.8	99	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	21.0	105	20	21.0	105	0	77-129/17
127-18-4	Tetrachloroethylene	ND		20	19.5	98	20	19.4	97	1	69-127/20
108-88-3	Toluene	ND		20	19.9	100	20	19.8	99	1	75-122/17
79-01-6	Trichloroethylene	ND		20	20.5	103	20	20.0	100	2	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	23.9	120	20	23.9	120	0	65-136/23
75-01-4	Vinyl chloride	ND		20	20.8	104	20	20.8	104	0	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35636-16MS	W47889.D	1	08/26/14	JC	n/a	n/a	VW1721
C35636-16MSD	W47890.D	1	08/26/14	JC	n/a	n/a	VW1721
C35636-16	W47883.D	1	08/26/14	JC	n/a	n/a	VW1721

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-3, C35636-4, C35636-5, C35636-6, C35636-7, C35636-8, C35636-9, C35636-10, C35636-12, C35636-14, C35636-15, C35636-16, C35636-17, C35636-18, C35636-19, C35636-20, C35636-21

CAS No.	Compound	C35636-16 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	40.1	100	40	39.7	99	1	76-125/17
95-47-6	o-Xylene	ND		20	20.5	103	20	20.2	101	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C35636-16	Limits
1868-53-7	Dibromofluoromethane	108%	107%	106%	70-130%
2037-26-5	Toluene-D8	105%	105%	107%	70-130%
460-00-4	4-Bromofluorobenzene	105%	103%	101%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35711-1MS	W48023.D	1	09/01/14	JC	n/a	n/a	VW1726
C35711-1MSD	W48024.D	1	09/01/14	JC	n/a	n/a	VW1726
C35711-1 [a]	W48006.D	1	08/31/14	JC	n/a	n/a	VW1726

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-25, C35636-26, C35636-27, C35636-28

CAS No.	Compound	C35711-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	21.7	109	20	18.2	91	18* [b]	77-122/16
108-90-7	Chlorobenzene	ND		20	21.9	110	20	19.1	96	14	77-122/16
75-00-3	Chloroethane	ND		20	22.9	115	20	22.0	110	4	69-133/18
67-66-3	Chloroform	ND		20	24.1	121	20	20.6	103	16	74-126/17
56-23-5	Carbon tetrachloride	ND		20	23.6	118	20	18.9	95	22* [b]	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	23.7	119	20	19.5	98	19* [b]	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	21.4	107	20	16.8	84	24* [b]	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	20.9	105	20	19.7	99	6	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	22.4	112	20	19.8	99	12	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	22.4	112	20	19.3	97	15	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	19.0	95	20	17.0	85	11	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	22.6	113	20	19.2	96	16	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	22.8	114	20	20.1	101	13	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	22.5	113	20	20.0	100	12	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	22.4	112	20	20.3	102	10	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	21.2	106	20	19.1	96	10	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	21.5	108	20	19.5	98	10	71-126/16
100-41-4	Ethylbenzene	ND		20	21.6	108	20	18.4	92	16	76-126/17
76-13-1	Freon 113	ND		20	14.8	74	20	9.9	50* [b]	40* [b]	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	20.8	104	20	18.6	93	11	69-135/20
67-63-0	Isopropyl Alcohol	ND		400	372	93	400	391	98	5	70-130/20
74-83-9	Methyl bromide	ND		20	25.1	126	20	24.5	123	2	68-132/18
74-87-3	Methyl chloride	ND		20	24.0	120	20	22.9	115	5	39-150/28
75-09-2	Methylene chloride	ND		20	20.8	104	20	17.9	90	15	67-128/18
100-42-5	Styrene	ND		20	20.8	104	20	18.3	92	13	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	24.6	123	20	19.9	100	21* [b]	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	22.1	111	20	21.0	105	5	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	21.3	107	20	19.6	98	8	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	19.8	99	20	18.5	93	7	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	21.7	109	20	19.0	95	13	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	22.6	113	20	19.7	99	14	77-129/17
127-18-4	Tetrachloroethylene	0.82	J	20	22.5	108	20	19.2	92	16	69-127/20
108-88-3	Toluene	0.56	J	20	21.8	106	20	18.8	91	15	75-122/17
79-01-6	Trichloroethylene	ND		20	22.3	112	20	18.5	93	19* [b]	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	23.5	118	20	22.3	112	5	65-136/23
75-01-4	Vinyl chloride	ND		20	23.1	116	20	22.8	114	1	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35711-1MS	W48023.D	1	09/01/14	JC	n/a	n/a	VW1726
C35711-1MSD	W48024.D	1	09/01/14	JC	n/a	n/a	VW1726
C35711-1 [a]	W48006.D	1	08/31/14	JC	n/a	n/a	VW1726

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-25, C35636-26, C35636-27, C35636-28

CAS No.	Compound	C35711-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	42.8	107	40	36.7	92	15	76-125/17
95-47-6	o-Xylene	ND		20	21.9	110	20	19.0	95	14	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C35711-1	Limits
1868-53-7	Dibromofluoromethane	113%	112%	106%	70-130%
2037-26-5	Toluene-D8	104%	104%	105%	70-130%
460-00-4	4-Bromofluorobenzene	105%	103%	101%	70-130%

(a) Sample vial contained more than 0.5cm of sediment. Sample was not preserved to a pH < 2.
(b) Outside laboratory control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35636-37MS	W48049.D	1	09/02/14	BD	n/a	n/a	VW1727
C35636-37MSD	W48050.D	1	09/02/14	BD	n/a	n/a	VW1727
C35636-37	W48032.D	1	09/02/14	BD	n/a	n/a	VW1727

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-29, C35636-30, C35636-31, C35636-32, C35636-33, C35636-34, C35636-35, C35636-36, C35636-37, C35636-38, C35636-39, C35636-40, C35636-41, C35636-42, C35636-43

CAS No.	Compound	C35636-37 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	21.5	108	20	21.3	107	1	77-122/16
108-90-7	Chlorobenzene	ND		20	20.5	103	20	20.5	103	0	77-122/16
75-00-3	Chloroethane	ND		20	23.2	116	20	22.9	115	1	69-133/18
67-66-3	Chloroform	ND		20	25.2	126	20	24.6	123	2	74-126/17
56-23-5	Carbon tetrachloride	ND		20	23.5	118	20	23.1	116	2	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	25.6	128* [a]	20	24.9	125	3	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	22.5	113	20	22.6	113	0	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	20.1	101	20	20.6	103	2	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	22.5	113	20	22.1	111	2	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	22.5	113	20	22.1	111	2	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	18.6	93	20	17.4	87	7	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	23.4	117	20	23.2	116	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	21.7	109	20	21.6	108	0	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	20.8	104	20	21.1	106	1	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	20.8	104	20	21.2	106	2	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	20.5	103	20	20.7	104	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	21.6	108	20	21.6	108	0	71-126/16
100-41-4	Ethylbenzene	ND		20	21.0	105	20	20.8	104	1	76-126/17
76-13-1	Freon 113	ND		20	23.0	115	20	22.5	113	2	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	20.0	100	20	20.2	101	1	69-135/20
67-63-0	Isopropyl Alcohol	ND		400	453	113	400	513	128	12	70-130/20
74-83-9	Methyl bromide	ND		20	22.6	113	20	22.6	113	0	68-132/18
74-87-3	Methyl chloride	ND		20	22.8	114	20	22.1	111	3	39-150/28
75-09-2	Methylene chloride	ND		20	22.1	111	20	22.1	111	0	67-128/18
100-42-5	Styrene	ND		20	19.8	99	20	19.9	100	1	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	25.2	126	20	24.5	123	3	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	20.7	104	20	21.4	107	3	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	20.8	104	20	20.9	105	0	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	18.9	95	20	19.4	97	3	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	20.8	104	20	20.9	105	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	20.9	105	20	21.0	105	0	77-129/17
127-18-4	Tetrachloroethylene	ND		20	20.0	100	20	19.6	98	2	69-127/20
108-88-3	Toluene	ND		20	20.7	104	20	20.6	103	0	75-122/17
79-01-6	Trichloroethylene	ND		20	21.8	109	20	21.5	108	1	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	24.0	120	20	23.4	117	3	65-136/23
75-01-4	Vinyl chloride	ND		20	20.8	104	20	21.2	106	2	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35636-37MS	W48049.D	1	09/02/14	BD	n/a	n/a	VW1727
C35636-37MSD	W48050.D	1	09/02/14	BD	n/a	n/a	VW1727
C35636-37	W48032.D	1	09/02/14	BD	n/a	n/a	VW1727

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-29, C35636-30, C35636-31, C35636-32, C35636-33, C35636-34, C35636-35, C35636-36, C35636-37, C35636-38, C35636-39, C35636-40, C35636-41, C35636-42, C35636-43

CAS No.	Compound	C35636-37 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	40.4	101	40	40.1	100	1	76-125/17
95-47-6	o-Xylene	ND		20	20.4	102	20	20.3	102	0	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C35636-37	Limits
1868-53-7	Dibromofluoromethane	116%	115%	100%	70-130%
2037-26-5	Toluene-D8	99%	99%	103%	70-130%
460-00-4	4-Bromofluorobenzene	102%	101%	99%	70-130%

(a) Outside laboratory control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35761-1MS	W48075.D	1	09/03/14	BD	n/a	n/a	VW1728
C35761-1MSD	W48076.D	1	09/03/14	BD	n/a	n/a	VW1728
C35761-1	W48060.D	1	09/03/14	BD	n/a	n/a	VW1728

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-22, C35636-23, C35636-24, C35636-44, C35636-45, C35636-46

CAS No.	Compound	C35761-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	18.9	95	20	18.7	94	1	77-122/16
108-90-7	Chlorobenzene	ND		20	18.4	92	20	18.4	92	0	77-122/16
75-00-3	Chloroethane	ND		20	22.7	114	20	22.6	113	0	69-133/18
67-66-3	Chloroform	ND		20	22.7	114	20	22.5	113	1	74-126/17
56-23-5	Carbon tetrachloride	ND		20	17.5	88	20	17.4	87	1	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	22.7	114	20	22.5	113	1	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	17.4	87	20	17.5	88	1	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	18.5	93	20	18.5	93	0	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	20.6	103	20	20.0	100	3	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	20.1	101	20	19.8	99	2	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	15.3	77	20	14.6	73	5	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	21.2	106	20	21.2	106	0	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	19.8	99	20	19.7	99	1	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	18.9	95	20	19.0	95	1	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	18.8	94	20	19.0	95	1	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	18.7	94	20	18.8	94	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	19.8	99	20	19.4	97	2	71-126/16
100-41-4	Ethylbenzene	ND		20	18.3	92	20	17.9	90	2	76-126/17
76-13-1	Freon 113	ND		20	14.4	72	20	14.1	71	2	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	15.1	76	20	15.4	77	2	69-135/20
67-63-0	Isopropyl Alcohol	ND		400	387	97	400	439	110	13	70-130/20
74-83-9	Methyl bromide	ND		20	22.0	110	20	22.3	112	1	68-132/18
74-87-3	Methyl chloride	0.33		20	21.7	107	20	21.2	104	2	39-150/28
75-09-2	Methylene chloride	ND		20	19.9	100	20	20.0	100	1	67-128/18
100-42-5	Styrene	ND		20	17.9	90	20	17.8	89	1	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	20.6	103	20	20.4	102	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	19.9	100	20	19.5	98	2	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	19.2	96	20	18.8	94	2	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	17.0	85	20	17.0	85	0	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	18.4	92	20	18.6	93	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	18.2	91	20	18.3	92	1	77-129/17
127-18-4	Tetrachloroethylene	ND		20	16.0	80	20	16.0	80	0	69-127/20
108-88-3	Toluene	ND		20	18.4	92	20	18.2	91	1	75-122/17
79-01-6	Trichloroethylene	ND		20	18.6	93	20	18.5	93	1	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	21.5	108	20	21.1	106	2	65-136/23
75-01-4	Vinyl chloride	ND		20	19.6	98	20	19.9	100	2	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35636
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35761-1MS	W48075.D	1	09/03/14	BD	n/a	n/a	VW1728
C35761-1MSD	W48076.D	1	09/03/14	BD	n/a	n/a	VW1728
C35761-1	W48060.D	1	09/03/14	BD	n/a	n/a	VW1728

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35636-22, C35636-23, C35636-24, C35636-44, C35636-45, C35636-46

CAS No.	Compound	C35761-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	35.2	88	40	35.2	88	0	76-125/17
95-47-6	o-Xylene	ND		20	18.1	91	20	18.0	90	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C35761-1	Limits
1868-53-7	Dibromofluoromethane	122%	121%	103%	70-130%
2037-26-5	Toluene-D8	103%	102%	106%	70-130%
460-00-4	4-Bromofluorobenzene	104%	102%	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: C35636
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP6776/GN14418	3.0	0.0	ug/l	25	24.1	96.4	85-115%
Perchlorate	GP6777/GN14419	3.0	0.0	ug/l	25	23.5	94.0	85-115%
Perchlorate	GP6781/GN14426	3.0	0.0	ug/l	25	23.6	94.4	85-115%
Specific Conductivity	GN14346	1.0	0.0	umhos/cm				
Specific Conductivity	GN14347	1.0	0.0	umhos/cm				
Specific Conductivity	GN14364	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP6776: C35636-1, C35636-2, C35636-3, C35636-4, C35636-5, C35636-6, C35636-7, C35636-8, C35636-9, C35636-10, C35636-11, C35636-12, C35636-13, C35636-14, C35636-15, C35636-16, C35636-17, C35636-18, C35636-19, C35636-20
Batch GP6777: C35636-21, C35636-23, C35636-24, C35636-25, C35636-26, C35636-27, C35636-31, C35636-32, C35636-33, C35636-34, C35636-35, C35636-36, C35636-37, C35636-38, C35636-39, C35636-40
Batch GP6781: C35636-22, C35636-28, C35636-29, C35636-30, C35636-41, C35636-42, C35636-43, C35636-44
Batch GN14346: C35636-1, C35636-2, C35636-3, C35636-4, C35636-5, C35636-6, C35636-7, C35636-8, C35636-9, C35636-10, C35636-11
Batch GN14347: C35636-12, C35636-13, C35636-14, C35636-15, C35636-16, C35636-17, C35636-18, C35636-19, C35636-20, C35636-21, C35636-22, C35636-23, C35636-24, C35636-25, C35636-26, C35636-27, C35636-28
Batch GN14364: C35636-29, C35636-30, C35636-31, C35636-32, C35636-33, C35636-34, C35636-35, C35636-36, C35636-37, C35636-38, C35636-39, C35636-40, C35636-41, C35636-42, C35636-43, C35636-44
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35636
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP6776/GN14418	ug/l	25	24.8	2.9	
Perchlorate	GP6777/GN14419	ug/l	25	24.2	2.9	
Perchlorate	GP6781/GN14426	ug/l	25	23.9	1.3	

Associated Samples:
Batch GP6776: C35636-1, C35636-2, C35636-3, C35636-4, C35636-5, C35636-6, C35636-7, C35636-8, C35636-9, C35636-10, C35636-11, C35636-12, C35636-13, C35636-14, C35636-15, C35636-16, C35636-17, C35636-18, C35636-19, C35636-20
Batch GP6777: C35636-21, C35636-23, C35636-24, C35636-25, C35636-26, C35636-27, C35636-31, C35636-32, C35636-33, C35636-34, C35636-35, C35636-36, C35636-37, C35636-38, C35636-39, C35636-40
Batch GP6781: C35636-22, C35636-28, C35636-29, C35636-30, C35636-41, C35636-42, C35636-43, C35636-44
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35636
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN14346	C35656-3	umhos/cm	1870	1880	0.3	0-10%
Specific Conductivity	GN14347	C35636-16	umhos/cm	649	653	0.6	0-10%
Specific Conductivity	GN14347	C35636-20	umhos/cm	181	182	0.3	0-10%
Specific Conductivity	GN14364	C35636-37	umhos/cm	668	667	0.1	0-10%

Associated Samples:
Batch GN14346: C35636-1, C35636-2, C35636-3, C35636-4, C35636-5, C35636-6, C35636-7, C35636-8, C35636-9, C35636-10, C35636-11
Batch GN14347: C35636-12, C35636-13, C35636-14, C35636-15, C35636-16, C35636-17, C35636-18, C35636-19, C35636-20, C35636-21, C35636-22, C35636-23, C35636-24, C35636-25, C35636-26, C35636-27, C35636-28
Batch GN14364: C35636-29, C35636-30, C35636-31, C35636-32, C35636-33, C35636-34, C35636-35, C35636-36, C35636-37, C35636-38, C35636-39, C35636-40, C35636-41, C35636-42, C35636-43, C35636-44
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35636
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP6776/GN14418	C35636-16	ug/l	7.9	25	30.3	89.6	80-120%
Perchlorate	GP6777/GN14419	C35636-37	ug/l	14.5	25	37.4	91.6	80-120%
Perchlorate	GP6781/GN14426	C35678-1	ug/l	2.1	25	23.3	84.8	80-120%

Associated Samples:
Batch GP6776: C35636-1, C35636-2, C35636-3, C35636-4, C35636-5, C35636-6, C35636-7, C35636-8, C35636-9, C35636-10, C35636-11, C35636-12, C35636-13, C35636-14, C35636-15, C35636-16, C35636-17, C35636-18, C35636-19, C35636-20
Batch GP6777: C35636-21, C35636-23, C35636-24, C35636-25, C35636-26, C35636-27, C35636-31, C35636-32, C35636-33, C35636-34, C35636-35, C35636-36, C35636-37, C35636-38, C35636-39, C35636-40
Batch GP6781: C35636-22, C35636-28, C35636-29, C35636-30, C35636-41, C35636-42, C35636-43, C35636-44
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35636
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP6776/GN14418	C35636-16	ug/l	7.9	25	30.0	1.0	15%
Perchlorate	GP6777/GN14419	C35636-37	ug/l	14.5	25	37.5	0.3	15%
Perchlorate	GP6781/GN14426	C35678-1	ug/l	2.1	25	23.1	0.9	15%

Associated Samples:
Batch GP6776: C35636-1, C35636-2, C35636-3, C35636-4, C35636-5, C35636-6, C35636-7, C35636-8, C35636-9, C35636-10, C35636-11, C35636-12, C35636-13, C35636-14, C35636-15, C35636-16, C35636-17, C35636-18, C35636-19, C35636-20
Batch GP6777: C35636-21, C35636-23, C35636-24, C35636-25, C35636-26, C35636-27, C35636-31, C35636-32, C35636-33, C35636-34, C35636-35, C35636-36, C35636-37, C35636-38, C35636-39, C35636-40
Batch GP6781: C35636-22, C35636-28, C35636-29, C35636-30, C35636-41, C35636-42, C35636-43, C35636-44
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
ACCUTEST
LABORATORIES

09/30/14

Technical Report for

United Technology Corporation

ENSTNM: UTC RFF Superfund Site - Rialto, CA

0888815569

Accutest Job Number: C36079

Sampling Dates: 09/17/14 - 09/18/14

Report to:

Ensafe
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Memphis, TN 38134
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ATTN: Josh Teves

Total number of pages in report: **81**

NELAP ACCREDITED TNI LABORATORY

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Elvin Kumar 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925) DoD ELAP (L-A-B L2242)

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Sample Summary

United Technology Corporation

Job No: C36079

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 0888815569

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C36079-1	09/18/14	07:20	MB	09/19/14	AQ	Ground Water	5W13B4G430
C36079-2	09/17/14	09:10	MB	09/19/14	AQ	Ground Water	MP7G503
C36079-3	09/17/14	08:45	MB	09/19/14	AQ	Ground Water	MP7G701
C36079-4	09/17/14	13:10	MB	09/19/14	AQ	Ground Water	PW13G340
C36079-5	09/17/14	13:10	MB	09/19/14	AQ	Ground Water	PW13H340
C36079-6	09/17/14	12:25	MB	09/19/14	AQ	Ground Water	PW13G395
C36079-7	09/17/14	11:35	MB	09/19/14	AQ	Ground Water	PW13G475
C36079-8	09/17/14	11:05	MB	09/19/14	AQ	Ground Water	PW13G525
C36079-9	09/17/14	10:35	MB	09/19/14	AQ	Ground Water	PW13G615
C36079-10	09/18/14	11:00	MB	09/19/14	AQ	Ground Water	PW14G300
C36079-10D	09/18/14	11:00	MB	09/19/14	AQ	Water Dup/MSD	PW14G300
C36079-10S	09/18/14	11:00	MB	09/19/14	AQ	Water Matrix Spike	PW14G300
C36079-11	09/18/14	10:25	MB	09/19/14	AQ	Ground Water	PW14G365

Accutest Laboratories

Sample Summary
(continued)

United Technology Corporation

Job No: C36079

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 0888815569

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C36079-12	09/18/14	09:55	MB	09/19/14	AQ	Ground Water	PW14G425
C36079-13	09/18/14	09:25	MB	09/19/14	AQ	Ground Water	PW14G525
C36079-14	09/18/14	09:05	MB	09/19/14	AQ	Ground Water	PW14G605
C36079-15	09/17/14	13:25	MB	09/19/14	AQ	Equipment Blank	EB1091714
C36079-16	09/18/14	11:25	MB	09/19/14	AQ	Equipment Blank	EB2091814
C36079-17	09/17/14	13:26	MB	09/19/14	AQ	Trip Blank Water	TB1091814

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C36079
Site:	ENSTNM: UTC RFF Superfund Site - Rialto, CA	**Report Date**	9/26/2014 9:09:14 PM

16 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected between 09/17/2014 and 09/18/2014 and were received at Accutest on 09/19/2014 properly preserved, at 3.9 Deg. C and intact. These Samples received an Accutest job number of C36079. 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:** VV820

- Sample(s) C36079-10MS, C36079-10MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** VV822

- Sample(s) C36079-11MS, C36079-11MSD were used as the QC samples indicated.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP6842

- Sample(s) C36079-10MS, C36079-10MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM2510 B-97

Matrix: AQ **Batch ID:** GN14542

- Sample(s) C36079-10DUP 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: C36079
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 09/17/14 thru 09/18/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C36079-1	**5W13B4G430**					
Perchlorate		1.9	1.0	0.31	ug/l	EPA 314
Specific Conductivity		450	1.0	1.0	umhos/cm	SM2510 B-97
C36079-2	**MP7G503**					
Perchlorate		1.9	1.0	0.31	ug/l	EPA 314
Specific Conductivity		367	1.0	1.0	umhos/cm	SM2510 B-97
C36079-3	**MP7G701**					
Specific Conductivity		403	1.0	1.0	umhos/cm	SM2510 B-97
C36079-4	**PW13G340**					
Isopropyl Alcohol		18.0 J	100	5.0	ug/l	SW846 8260B
Trichloroethylene		0.20 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		6.4	1.0	0.31	ug/l	EPA 314
Specific Conductivity		499	1.0	1.0	umhos/cm	SM2510 B-97
C36079-5	**PW13H340**					
Trichloroethylene		0.22 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		6.3	1.0	0.31	ug/l	EPA 314
Specific Conductivity		512	1.0	1.0	umhos/cm	SM2510 B-97
C36079-6	**PW13G395**					
Perchlorate		2.1	1.0	0.31	ug/l	EPA 314
Specific Conductivity		303	1.0	1.0	umhos/cm	SM2510 B-97
C36079-7	**PW13G475**					
Specific Conductivity		255	1.0	1.0	umhos/cm	SM2510 B-97
C36079-8	**PW13G525**					
Specific Conductivity		331	1.0	1.0	umhos/cm	SM2510 B-97
C36079-9	**PW13G615**					
Specific Conductivity		320	1.0	1.0	umhos/cm	SM2510 B-97

Summary of Hits

Job Number: C36079
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 09/17/14 thru 09/18/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C36079-10	**PW14G300**					
Toluene		0.39 J	1.0	0.20	ug/l	SW846 8260B
Specific Conductivity		397	1.0	1.0	umhos/cm	SM2510 B-97
C36079-11	**PW14G365**					
Isopropyl Alcohol		38.6 J	100	5.0	ug/l	SW846 8260B
Perchlorate		15.3	1.0	0.31	ug/l	EPA 314
Specific Conductivity		460	1.0	1.0	umhos/cm	SM2510 B-97
C36079-12	**PW14G425**					
Trichloroethylene		0.93 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		39.4	1.0	0.31	ug/l	EPA 314
Specific Conductivity		443	1.0	1.0	umhos/cm	SM2510 B-97
C36079-13	**PW14G525**					
Specific Conductivity		321	1.0	1.0	umhos/cm	SM2510 B-97
C36079-14	**PW14G605**					
Specific Conductivity		290	1.0	1.0	umhos/cm	SM2510 B-97
C36079-15	**EB1091714**					
Specific Conductivity		1.4	1.0	1.0	umhos/cm	SM2510 B-97
C36079-16	**EB2091814**					
Specific Conductivity		1.6	1.0	1.0	umhos/cm	SM2510 B-97
C36079-17	**TB1091814**					

No hits reported in this sample.

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	5W13B4G430		
Lab Sample ID:	C36079-1	**Date Sampled:**	09/18/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V20799.D	1	09/23/14	BQ	n/a	n/a	VV820
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W13B4G430		
Lab Sample ID:	C36079-1	**Date Sampled:**	09/18/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W13B4G430		
Lab Sample ID:	C36079-1	**Date Sampled:**	09/18/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	1.9	1.0	0.31	ug/l	1	09/22/14 18:29	PH	EPA 314
Specific Conductivity	450	1.0	1.0	umhos/cm	1	09/22/14 15:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP7G503		
Lab Sample ID:	C36079-2	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V20800.D	1	09/23/14	BQ	n/a	n/a	VV820
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP7G503		
Lab Sample ID:	C36079-2	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP7G503		
Lab Sample ID:	C36079-2	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	1.9	1.0	0.31	ug/l	1	09/22/14 19:22	PH	EPA 314
Specific Conductivity	367	1.0	1.0	umhos/cm	1	09/22/14 15:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP7G701		
Lab Sample ID:	C36079-3	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V20801.D	1	09/23/14	BQ	n/a	n/a	VV820
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP7G701		
Lab Sample ID:	C36079-3	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP7G701		
Lab Sample ID:	C36079-3	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/22/14 19:39	PH	EPA 314
Specific Conductivity	403	1.0	1.0	umhos/cm	1	09/22/14 15:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW13G340		
Lab Sample ID:	C36079-4	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V20802.D	1	09/23/14	BQ	n/a	n/a	VV820
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	18.0	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13G340		
Lab Sample ID:	C36079-4	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	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	101%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13G340		
Lab Sample ID:	C36079-4	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	6.4	1.0	0.31	ug/l	1	09/22/14 19:56	PH	EPA 314
Specific Conductivity	499	1.0	1.0	umhos/cm	1	09/22/14 15:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW13H340		
Lab Sample ID:	C36079-5	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V20803.D	1	09/23/14	BQ	n/a	n/a	VV820
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13H340		
Lab Sample ID:	C36079-5	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	0.22	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	95%		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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13H340		
Lab Sample ID:	C36079-5	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	6.3	1.0	0.31	ug/l	1	09/22/14 20:14	PH	EPA 314
Specific Conductivity	512	1.0	1.0	umhos/cm	1	09/22/14 15:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW13G395		
Lab Sample ID:	C36079-6	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V20804.D	1	09/23/14	BQ	n/a	n/a	VV820
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13G395		
Lab Sample ID:	C36079-6	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13G395		
Lab Sample ID:	C36079-6	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	2.1	1.0	0.31	ug/l	1	09/22/14 20:31	PH	EPA 314
Specific Conductivity	303	1.0	1.0	umhos/cm	1	09/22/14 15:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW13G475		
Lab Sample ID:	C36079-7	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V20805.D	1	09/23/14	BQ	n/a	n/a	VV820
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13G475		
Lab Sample ID:	C36079-7	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	101%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13G475		
Lab Sample ID:	C36079-7	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/22/14 20:49	PH	EPA 314
Specific Conductivity	255	1.0	1.0	umhos/cm	1	09/22/14 15:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW13G525		
Lab Sample ID:	C36079-8	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V20806.D	1	09/23/14	BQ	n/a	n/a	VV820
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13G525		
Lab Sample ID:	C36079-8	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	100%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13G525		
Lab Sample ID:	C36079-8	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/22/14 21:06	PH	EPA 314
Specific Conductivity	331	1.0	1.0	umhos/cm	1	09/22/14 15:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW13G615		
Lab Sample ID:	C36079-9	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V20807.D	1	09/23/14	BQ	n/a	n/a	VV820
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13G615		
Lab Sample ID:	C36079-9	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13G615		
Lab Sample ID:	C36079-9	**Date Sampled:**	09/17/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/22/14 21:23	PH	EPA 314
Specific Conductivity	320	1.0	1.0	umhos/cm	1	09/22/14 15:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW14G300		
Lab Sample ID:	C36079-10	**Date Sampled:**	09/18/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V20808.D	1	09/23/14	BQ	n/a	n/a	VV820
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW14G300		
Lab Sample ID:	C36079-10	**Date Sampled:**	09/18/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	0.39	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	96%		70-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW14G300		
Lab Sample ID:	C36079-10	**Date Sampled:**	09/18/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/22/14 21:41	PH	EPA 314
Specific Conductivity	397	1.0	1.0	umhos/cm	1	09/22/14 15:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW14G365		
Lab Sample ID:	C36079-11	**Date Sampled:**	09/18/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V20827.D	1	09/24/14	BQ	n/a	n/a	VV822
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	38.6	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW14G365		
Lab Sample ID:	C36079-11	**Date Sampled:**	09/18/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	102%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW14G365		
Lab Sample ID:	C36079-11	**Date Sampled:**	09/18/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	15.3	1.0	0.31	ug/l	1	09/22/14 23:08	PH	EPA 314
Specific Conductivity	460	1.0	1.0	umhos/cm	1	09/22/14 15:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW14G425		
Lab Sample ID:	C36079-12	**Date Sampled:**	09/18/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V20828.D	1	09/24/14	BQ	n/a	n/a	VV822
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW14G425		
Lab Sample ID:	C36079-12	**Date Sampled:**	09/18/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	0.93	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	95%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW14G425		
Lab Sample ID:	C36079-12	**Date Sampled:**	09/18/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	39.4	1.0	0.31	ug/l	1	09/22/14 23:25	PH	EPA 314
Specific Conductivity	443	1.0	1.0	umhos/cm	1	09/22/14 15:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW14G525		
Lab Sample ID:	C36079-13	**Date Sampled:**	09/18/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V20829.D	1	09/24/14	BQ	n/a	n/a	VV822
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW14G525		
Lab Sample ID:	C36079-13	**Date Sampled:**	09/18/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	101%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW14G525		
Lab Sample ID:	C36079-13	**Date Sampled:**	09/18/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/22/14 23:43	PH	EPA 314
Specific Conductivity	321	1.0	1.0	umhos/cm	1	09/22/14 15:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW14G605		
Lab Sample ID:	C36079-14	**Date Sampled:**	09/18/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V20830.D	1	09/24/14	BQ	n/a	n/a	VV822
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW14G605		
Lab Sample ID:	C36079-14	**Date Sampled:**	09/18/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	101%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW14G605		
Lab Sample ID:	C36079-14	**Date Sampled:**	09/18/14
Matrix:	AQ - Ground Water	**Date Received:**	09/19/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/23/14	PH	EPA 314
Specific Conductivity	290	1.0	1.0	umhos/cm	1	09/22/14 15:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	EB1091714		
Lab Sample ID:	C36079-15	**Date Sampled:**	09/17/14
Matrix:	AQ - Equipment Blank	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V20831.D	1	09/24/14	BQ	n/a	n/a	VV822
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB1091714		
Lab Sample ID:	C36079-15	**Date Sampled:**	09/17/14
Matrix:	AQ - Equipment Blank	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	100%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB1091714		
Lab Sample ID:	C36079-15	**Date Sampled:**	09/17/14
Matrix:	AQ - Equipment Blank	**Date Received:**	09/19/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/23/14 00:17	PH	EPA 314
Specific Conductivity	1.4	1.0	1.0	umhos/cm	1	09/22/14 15:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	EB2091814		
Lab Sample ID:	C36079-16	**Date Sampled:**	09/18/14
Matrix:	AQ - Equipment Blank	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V20833.D	1	09/24/14	BQ	n/a	n/a	VV822
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB2091814		
Lab Sample ID:	C36079-16	**Date Sampled:**	09/18/14
Matrix:	AQ - Equipment Blank	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	102%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB2091814		
Lab Sample ID:	C36079-16	**Date Sampled:**	09/18/14
Matrix:	AQ - Equipment Blank	**Date Received:**	09/19/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	09/23/14 00:35	PH	EPA 314
Specific Conductivity	1.6	1.0	1.0	umhos/cm	1	09/22/14 15:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	TB1091814		
Lab Sample ID:	C36079-17	**Date Sampled:**	09/17/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V20832.D	1	09/24/14	BQ	n/a	n/a	VV822
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB1091814		
Lab Sample ID:	C36079-17	**Date Sampled:**	09/17/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/19/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	100%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range 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

CHAIN OF CUSTODY

ACCUTEST LABORATORIES
2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

Pg 1/2

FED-EX Tracking # 8044 6487 9108
Bottle Order Control #
Accutest Quote # /
Accutest NC Job #: C C36079

Client / Reporting Information

Company Name: EnSafe Inc
Address: 2151 Salvio St. Ste. 301
City: Concord State: CA Zip: 94520
Project Contact: Josh Teres
Phone #: 925 305 2109
Samplers's Name: M. Barishi

Project Information

Project Name: Locust Ave Superfund Site
Street:
City: Rialto State: CA
Project #: 088881556 9
EMAIL: jteres@ensafe.com
Client Purchase Order #:

Requested Analysis: 8260 B VOCs; E314 perchlorate

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI-OJ WP-Wipe; LIQ - Non-aqueous Liquid; AIR; DW- Drinking Water (Perchlorate Only)

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	Na2S2O3	MEOH	ENCORE	8260 B VOCs	E314 perchlorate	LAB USE ONLY
1	MW13B46-430	09/18	0720	MB	GW	4	3				1				X	X	
2	MP76-503	09/17	0910	MB	GW	4	3				1				X	X	
3	MP76-701	↓	0845	MB	GW	4	3				1				X	X	
4	PW13G-310		1310	MB	GW	4	3				1				X	X	
5	PW13H 310		1310	MB	GW	4	3				1				X	X	
6	PW13G-375		1225	MB	GW	4	3				1				X	X	
7	PW13G 475		1135	MB	GW	4	3				1				X	X	
8	PW13G-525		1105	MB	GW	4	3				1				X	X	
9	PW13G 615	↓	1035	MB	GW	4	3				1				X	X	
10	PW14G 300	09/18	1100	MB	GW	12	9				3				X	X	

Turnaround Time (Business days)

- [ ] 10 Day
- [x] 5 Day
- [ ] 3 Day (125% markup)
- [ ] 2 Day (150% markup)
- [ ] 1 Day (200% markup)
- [ ] Same Day (300% markup)

Approved By:/ Date:

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:

Comments / Remarks: PW14G-300 includes volume for MS/MSD

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Malik Barishi	9/18 1135	9/18/14 1135	2	9-18-14 1730	2
3		9/18/14 0905		4		4
5			5			

Custody Seal #
Appropriate Bottle / Pres. Y/N Headspace Y/N On Ice Y/N Cooler Temp
Labels match Coc? Y / N Separate Receiving Check List used: Y / N

TEMP: HD-01 = 3.9

IRVINE

C36079: Chain of Custody
Page 1 of 3

CHAIN OF CUSTODY

ACCUTEST® LABORATORIES

2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking #
Bottle Order Control #
Accutest Quote #
Accutest NC Job #: C36079

Client / Reporting Information

Company Name: EnSafe Inc
Address: 2151 Salvio St. Ste 301
City: Concord State: CA Zip: 94520
Project Contact: Josh Teves
Phone #: 925 305 2109
Samplers's Name: M. Bavishi

Project Information

Project Name: Locust Ave Superfund Site
Street:
City: Rialto State: CA
Project #: 08888 15569
EMAIL: jteves@ensafe.com
Client Purchase Order #:

Requested Analysis: 8260B VOCs; E314 Perchlorate

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI-Oil; WP-Wipe; LIQ - Non-aqueous Liquid; AIR; DW- Drinking Water (Perchlorate Only)

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	8260B VOCs	E314 Perchlorate	LAB USE ONLY
11	PW146365	09/18	1025	MB	GW	4	3				1				X	X	
12	PW146425	09/18	0955	MB	GW	4	3				1				X	X	
13	PW146525	09/18	0925	MB	GW	4	3				1				X	X	
14	PW146605	09/18	0905	MB	GW	4	3				1				X	X	
15	EB1091714	09/17	1325	MB	WQ	4	3				1				X	X	
16	EB2091814	09/18	1125	MB	WQ	4	3				1				X	X	
17	TB1091814	9/12	1326		WQ	3	3								X		

Turnaround Time (Business days)

Approved By:/ Date:

- [ ] 10 Day
- [x] 5 Day
- [ ] 3 Day (125% markup)
- [ ] 2 Day (150% markup)
- [ ] 1 Day (200% markup)
- [ ] Same Day (300% markup)

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 MC	9/18 1135	1 9-18-14 1130	2	9-18-14 1730	2
Relinquished by: 3 FEDEX	Date Time: 9/19/14 0905	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date/time	Received By: 5	Custody Seal #	Appropriate Bottle / Pres. Y / N; Labels match Coc? Y / N	Headspace Y / N; Separate Receiving Check List used: Y / N; On Ice Y / N; Cooler Temp

IRVINE

C36079: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C36079 **Client:** ENSAFE/UTC **Project:** LOCUST AVE. SUPERFUND SITE

Date / Time Received: 9/19/2014 9:05:00 AM **Delivery Method:** FedEx **Airbill #'s:** 804464879108

Cooler Temps (Initial/Adjusted): #1: (4/3.9);

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. Therm ID:	IR2;
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

C36079: 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: C36079
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV820-MB	V20798.D	1	09/23/14	BQ	n/a	n/a	VV820

The QC reported here applies to the following samples: **Method:** SW846 8260B

C36079-1, C36079-2, C36079-3, C36079-4, C36079-5, C36079-6, C36079-7, C36079-8, C36079-9, C36079-10

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	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: C36079
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV820-MB	V20798.D	1	09/23/14	BQ	n/a	n/a	VV820

The QC reported here applies to the following samples: **Method:** SW846 8260B

C36079-1, C36079-2, C36079-3, C36079-4, C36079-5, C36079-6, C36079-7, C36079-8, C36079-9, C36079-10

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	94%	70-130%
2037-26-5	Toluene-D8	100%	70-130%
460-00-4	4-Bromofluorobenzene	99%	70-130%

Method Blank Summary

Job Number: C36079
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV822-MB	V20824.D	1	09/24/14	BQ	n/a	n/a	VV822

The QC reported here applies to the following samples: **Method:** SW846 8260B

C36079-11, C36079-12, C36079-13, C36079-14, C36079-15, C36079-16, C36079-17

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	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: C36079
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV822-MB	V20824.D	1	09/24/14	BQ	n/a	n/a	VV822

The QC reported here applies to the following samples: **Method:** SW846 8260B

C36079-11, C36079-12, C36079-13, C36079-14, C36079-15, C36079-16, C36079-17

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	94%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	101%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C36079
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV820-BS	V20793.D	1	09/23/14	BQ	n/a	n/a	VV820
VV820-BSD	V20794.D	1	09/23/14	BQ	n/a	n/a	VV820

The QC reported here applies to the following samples: **Method:** SW846 8260B

C36079-1, C36079-2, C36079-3, C36079-4, C36079-5, C36079-6, C36079-7, C36079-8, C36079-9, C36079-10

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	19.0	95	2	77-122/25
108-90-7	Chlorobenzene	20	20.4	102	20.6	103	1	77-122/16
75-00-3	Chloroethane	20	18.4	92	18.3	92	1	69-133/18
67-66-3	Chloroform	20	18.9	95	18.9	95	0	74-126/17
56-23-5	Carbon tetrachloride	20	19.2	96	19.5	98	2	71-133/19
75-34-3	1,1-Dichloroethane	20	18.4	92	18.3	92	1	71-125/17
75-35-4	1,1-Dichloroethylene	20	18.6	93	18.3	92	2	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	18.1	91	18.4	92	2	71-131/17
78-87-5	1,2-Dichloropropane	20	18.8	94	19.1	96	2	78-124/16
75-71-8	Dichlorodifluoromethane	20	15.2	76	14.2	71	7	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	19.2	96	19.1	96	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	20.0	100	20.5	103	2	72-130/16
541-73-1	m-Dichlorobenzene	20	20.4	102	20.5	103	0	75-124/16
95-50-1	o-Dichlorobenzene	20	20.1	101	20.3	102	1	76-124/16
106-46-7	p-Dichlorobenzene	20	19.3	97	19.5	98	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	19.1	96	19.2	96	1	71-126/16
100-41-4	Ethylbenzene	20	19.8	99	19.8	99	0	76-126/17
76-13-1	Freon 113	20	21.3	107	21.2	106	0	60-145/25
87-68-3	Hexachlorobutadiene	20	19.3	97	19.5	98	1	69-135/20
67-63-0	Isopropyl Alcohol	400	491	123	504	126	3	70-130/20
74-83-9	Methyl bromide	20	17.4	87	17.2	86	1	68-132/18
74-87-3	Methyl chloride	20	17.5	88	17.4	87	1	39-150/28
75-09-2	Methylene chloride	20	18.1	91	18.1	91	0	67-128/18
100-42-5	Styrene	20	20.4	102	20.3	102	0	72-134/16
71-55-6	1,1,1-Trichloroethane	20	19.0	95	19.2	96	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	19.2	96	19.7	99	3	77-129/17
79-00-5	1,1,2-Trichloroethane	20	19.3	97	19.6	98	2	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	18.8	94	18.9	95	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	19.5	98	19.5	98	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	20.2	101	20.3	102	0	77-129/17
127-18-4	Tetrachloroethylene	20	19.9	100	19.9	100	0	69-127/20
108-88-3	Toluene	20	19.7	99	19.6	98	1	75-122/17
79-01-6	Trichloroethylene	20	19.3	97	19.5	98	1	78-123/17
75-69-4	Trichlorofluoromethane	20	18.1	91	17.1	86	6	65-136/23
75-01-4	Vinyl chloride	20	18.0	90	17.3	87	4	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C36079
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV820-BS	V20793.D	1	09/23/14	BQ	n/a	n/a	VV820
VV820-BSD	V20794.D	1	09/23/14	BQ	n/a	n/a	VV820

The QC reported here applies to the following samples: **Method:** SW846 8260B

C36079-1, C36079-2, C36079-3, C36079-4, C36079-5, C36079-6, C36079-7, C36079-8, C36079-9, C36079-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	40.8	102	40.5	101	1	76-125/17
95-47-6	o-Xylene	20	21.1	106	20.9	105	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	97%	96%	70-130%
2037-26-5	Toluene-D8	102%	101%	70-130%
460-00-4	4-Bromofluorobenzene	102%	101%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C36079
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV822-BS	V20821.D	1	09/24/14	BQ	n/a	n/a	VV822
VV822-BSD	V20822.D	1	09/24/14	BQ	n/a	n/a	VV822

The QC reported here applies to the following samples: **Method:** SW846 8260B

C36079-11, C36079-12, C36079-13, C36079-14, C36079-15, C36079-16, C36079-17

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	18.6	93	18.5	93	1	77-122/25
108-90-7	Chlorobenzene	20	20.6	103	20.3	102	1	77-122/16
75-00-3	Chloroethane	20	19.3	97	18.9	95	2	69-133/18
67-66-3	Chloroform	20	19.1	96	18.8	94	2	74-126/17
56-23-5	Carbon tetrachloride	20	18.8	94	18.8	94	0	71-133/19
75-34-3	1,1-Dichloroethane	20	18.3	92	18.0	90	2	71-125/17
75-35-4	1,1-Dichloroethylene	20	17.5	88	17.4	87	1	66-125/20
106-93-4	1,2-Dibromoethane	20	19.7	99	19.5	98	1	75-135/17
107-06-2	1,2-Dichloroethane	20	18.3	92	18.2	91	1	71-131/17
78-87-5	1,2-Dichloropropane	20	19.0	95	19.0	95	0	78-124/16
75-71-8	Dichlorodifluoromethane	20	16.3	82	15.4	77	6	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	19.3	97	19.0	95	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	20.3	102	20.1	101	1	72-130/16
541-73-1	m-Dichlorobenzene	20	20.6	103	20.3	102	1	75-124/16
95-50-1	o-Dichlorobenzene	20	20.4	102	20.4	102	0	76-124/16
106-46-7	p-Dichlorobenzene	20	19.8	99	19.4	97	2	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	19.3	97	19.0	95	2	71-126/16
100-41-4	Ethylbenzene	20	19.7	99	19.6	98	1	76-126/17
76-13-1	Freon 113	20	19.9	100	19.7	99	1	60-145/25
87-68-3	Hexachlorobutadiene	20	19.1	96	19.1	96	0	69-135/20
67-63-0	Isopropyl Alcohol	400	468	117	460	115	2	70-130/20
74-83-9	Methyl bromide	20	17.7	89	17.7	89	0	68-132/18
74-87-3	Methyl chloride	20	17.9	90	17.9	90	0	39-150/28
75-09-2	Methylene chloride	20	18.2	91	18.2	91	0	67-128/18
100-42-5	Styrene	20	20.5	103	20.2	101	1	72-134/16
71-55-6	1,1,1-Trichloroethane	20	18.9	95	18.8	94	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	19.8	99	19.7	99	1	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	19.1	96	18.9	95	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	19.6	98	19.3	97	2	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	20.2	101	20.2	101	0	77-129/17
127-18-4	Tetrachloroethylene	20	19.5	98	19.6	98	1	69-127/20
108-88-3	Toluene	20	19.6	98	19.4	97	1	75-122/17
79-01-6	Trichloroethylene	20	18.9	95	19.0	95	1	78-123/17
75-69-4	Trichlorofluoromethane	20	18.8	94	18.9	95	1	65-136/23
75-01-4	Vinyl chloride	20	18.9	95	18.6	93	2	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C36079
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV822-BS	V20821.D	1	09/24/14	BQ	n/a	n/a	VV822
VV822-BSD	V20822.D	1	09/24/14	BQ	n/a	n/a	VV822

The QC reported here applies to the following samples: **Method:** SW846 8260B

C36079-11, C36079-12, C36079-13, C36079-14, C36079-15, C36079-16, C36079-17

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	40.6	102	0	76-125/17
95-47-6	o-Xylene	20	21.1	106	21.0	105	0	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	97%	97%	70-130%
2037-26-5	Toluene-D8	101%	101%	70-130%
460-00-4	4-Bromofluorobenzene	101%	100%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C36079
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C36079-10MS	V20814.D	1	09/23/14	BQ	n/a	n/a	VV820
C36079-10MSD	V20815.D	1	09/23/14	BQ	n/a	n/a	VV820
C36079-10	V20808.D	1	09/23/14	BQ	n/a	n/a	VV820

The QC reported here applies to the following samples: **Method:** SW846 8260B

C36079-1, C36079-2, C36079-3, C36079-4, C36079-5, C36079-6, C36079-7, C36079-8, C36079-9, C36079-10

CAS No.	Compound	C36079-10 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	18.9	95	20	18.9	95	0	77-122/16
108-90-7	Chlorobenzene	ND		20	20.0	100	20	20.6	103	3	77-122/16
75-00-3	Chloroethane	ND		20	19.4	97	20	19.2	96	1	69-133/18
67-66-3	Chloroform	ND		20	18.9	95	20	18.9	95	0	74-126/17
56-23-5	Carbon tetrachloride	ND		20	19.7	99	20	19.5	98	1	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	18.3	92	20	18.1	91	1	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	19.0	95	20	19.0	95	0	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	18.8	94	20	19.0	95	1	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	18.0	90	20	17.7	89	2	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	18.8	94	20	18.7	94	1	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	17.2	86	20	17.2	86	0	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	18.9	95	20	18.9	95	0	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	19.6	98	20	19.3	97	2	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	20.4	102	20	20.5	103	0	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	20.2	101	20	20.1	101	0	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	19.3	97	20	19.5	98	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	17.8	89	20	18.0	90	1	71-126/16
100-41-4	Ethylbenzene	ND		20	19.4	97	20	19.9	100	3	76-126/17
76-13-1	Freon 113	ND		20	21.7	109	20	21.3	107	2	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	18.6	93	20	19.0	95	2	69-135/20
67-63-0	Isopropyl Alcohol	ND		400	356	89	400	429	107	19	70-130/20
74-83-9	Methyl bromide	ND		20	18.0	90	20	17.7	89	2	68-132/18
74-87-3	Methyl chloride	ND		20	18.5	93	20	18.2	91	2	39-150/28
75-09-2	Methylene chloride	ND		20	18.0	90	20	17.7	89	2	67-128/18
100-42-5	Styrene	ND		20	20.0	100	20	20.4	102	2	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	19.5	98	20	19.2	96	2	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	19.4	97	20	18.8	94	3	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	18.8	94	20	18.9	95	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	18.5	93	20	18.5	93	0	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	19.4	97	20	19.4	97	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	20.2	101	20	20.3	102	0	77-129/17
127-18-4	Tetrachloroethylene	ND		20	19.6	98	20	20.2	101	3	69-127/20
108-88-3	Toluene	0.39	J	20	19.7	97	20	20.4	100	3	75-122/17
79-01-6	Trichloroethylene	ND		20	19.4	97	20	19.5	98	1	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	19.2	96	20	19.2	96	0	65-136/23
75-01-4	Vinyl chloride	ND		20	20.1	101	20	19.4	97	4	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C36079
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C36079-10MS	V20814.D	1	09/23/14	BQ	n/a	n/a	VV820
C36079-10MSD	V20815.D	1	09/23/14	BQ	n/a	n/a	VV820
C36079-10	V20808.D	1	09/23/14	BQ	n/a	n/a	VV820

The QC reported here applies to the following samples: **Method:** SW846 8260B

C36079-1, C36079-2, C36079-3, C36079-4, C36079-5, C36079-6, C36079-7, C36079-8, C36079-9, C36079-10

CAS No.	Compound	C36079-10 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	39.9	100	40	40.8	102	2	76-125/17
95-47-6	o-Xylene	ND		20	20.5	103	20	20.9	105	2	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C36079-10	Limits
1868-53-7	Dibromofluoromethane	95%	95%	96%	70-130%
2037-26-5	Toluene-D8	99%	101%	101%	70-130%
460-00-4	4-Bromofluorobenzene	99%	99%	100%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C36079
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C36079-11MS	V20841.D	1	09/24/14	BQ	n/a	n/a	VV822
C36079-11MSD	V20842.D	1	09/24/14	BQ	n/a	n/a	VV822
C36079-11	V20827.D	1	09/24/14	BQ	n/a	n/a	VV822

The QC reported here applies to the following samples: **Method:** SW846 8260B

C36079-11, C36079-12, C36079-13, C36079-14, C36079-15, C36079-16, C36079-17

CAS No.	Compound	C36079-11 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	17.8	89	20	18.0	90	1	77-122/16
108-90-7	Chlorobenzene	ND		20	19.5	98	20	19.4	97	1	77-122/16
75-00-3	Chloroethane	ND		20	18.6	93	20	18.3	92	2	69-133/18
67-66-3	Chloroform	ND		20	18.1	91	20	18.0	90	1	74-126/17
56-23-5	Carbon tetrachloride	ND		20	18.5	93	20	18.6	93	1	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	17.3	87	20	17.4	87	1	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	17.3	87	20	17.5	88	1	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	18.1	91	20	17.5	88	3	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	17.0	85	20	16.8	84	1	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	17.9	90	20	17.7	89	1	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	15.6	78	20	16.1	81	3	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	18.1	91	20	18.0	90	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	18.4	92	20	18.2	91	1	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	19.6	98	20	19.7	99	1	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	19.4	97	20	19.4	97	0	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	18.7	94	20	18.7	94	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	17.2	86	20	16.9	85	2	71-126/16
100-41-4	Ethylbenzene	ND		20	19.0	95	20	18.8	94	1	76-126/17
76-13-1	Freon 113	ND		20	19.1	96	20	19.7	99	3	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	17.8	89	20	18.6	93	4	69-135/20
67-63-0	Isopropyl Alcohol	38.6	J	400	359	80	400	410	93	13	70-130/20
74-83-9	Methyl bromide	ND		20	17.4	87	20	16.9	85	3	68-132/18
74-87-3	Methyl chloride	ND		20	17.4	87	20	17.8	89	2	39-150/28
75-09-2	Methylene chloride	ND		20	16.9	85	20	16.9	85	0	67-128/18
100-42-5	Styrene	ND		20	19.1	96	20	19.0	95	1	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	18.4	92	20	18.4	92	0	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	18.2	91	20	18.1	91	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	18.2	91	20	17.6	88	3	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	17.7	89	20	17.9	90	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	18.7	94	20	18.9	95	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	19.3	97	20	19.5	98	1	77-129/17
127-18-4	Tetrachloroethylene	ND		20	19.0	95	20	19.0	95	0	69-127/20
108-88-3	Toluene	ND		20	18.7	94	20	18.5	93	1	75-122/17
79-01-6	Trichloroethylene	ND		20	18.3	92	20	18.4	92	1	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	18.7	94	20	18.5	93	1	65-136/23
75-01-4	Vinyl chloride	ND		20	19.0	95	20	18.7	94	2	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C36079
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C36079-11MS	V20841.D	1	09/24/14	BQ	n/a	n/a	VV822
C36079-11MSD	V20842.D	1	09/24/14	BQ	n/a	n/a	VV822
C36079-11	V20827.D	1	09/24/14	BQ	n/a	n/a	VV822

The QC reported here applies to the following samples: **Method:** SW846 8260B

C36079-11, C36079-12, C36079-13, C36079-14, C36079-15, C36079-16, C36079-17

CAS No.	Compound	C36079-11 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	38.9	97	40	38.6	97	1	76-125/17
95-47-6	o-Xylene	ND		20	20.1	101	20	19.8	99	2	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C36079-11	Limits
1868-53-7	Dibromofluoromethane	98%	97%	96%	70-130%
2037-26-5	Toluene-D8	101%	100%	102%	70-130%
460-00-4	4-Bromofluorobenzene	101%	100%	101%	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: C36079
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP6842/GN14541	3.0	0.0	ug/l	25	24.0	96.0	85-115%
Specific Conductivity	GN14542	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP6842: C36079-1, C36079-2, C36079-3, C36079-4, C36079-5, C36079-6, C36079-7, C36079-8, C36079-9, C36079-10, C36079-11, C36079-12, C36079-13, C36079-14, C36079-15, C36079-16
Batch GN14542: C36079-1, C36079-2, C36079-3, C36079-4, C36079-5, C36079-6, C36079-7, C36079-8, C36079-9, C36079-10, C36079-11, C36079-12, C36079-13, C36079-14, C36079-15, C36079-16
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C36079
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP6842/GN14541	ug/l	25	24.0	0.0	

Associated Samples:
Batch GP6842: C36079-1, C36079-2, C36079-3, C36079-4, C36079-5, C36079-6, C36079-7, C36079-8, C36079-9, C36079-10, C36079-11, C36079-12, C36079-13, C36079-14, C36079-15, C36079-16
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C36079
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN14542	C36079-10	umhos/cm	397	397	0.0	0-10%

Associated Samples:
Batch GN14542: C36079-1, C36079-2, C36079-3, C36079-4, C36079-5, C36079-6, C36079-7, C36079-8, C36079-9, C36079-10, C36079-11, C36079-12, C36079-13, C36079-14, C36079-15, C36079-16
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C36079
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP6842/GN14541	C36079-10	ug/l	0.31 U	25	22.5	90.0	80-120%

Associated Samples:
Batch GP6842: C36079-1, C36079-2, C36079-3, C36079-4, C36079-5, C36079-6, C36079-7, C36079-8, C36079-9, C36079-10, C36079-11, C36079-12, C36079-13, C36079-14, C36079-15, C36079-16
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C36079
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP6842/GN14541	C36079-10	ug/l	0.31 U	25	22.4	0.4	15%

Associated Samples:
Batch GP6842: C36079-1, C36079-2, C36079-3, C36079-4, C36079-5, C36079-6, C36079-7, C36079-8, C36079-9, C36079-10, C36079-11, C36079-12, C36079-13, C36079-14, C36079-15, C36079-16
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
ACCUTEST
LABORATORIES

12/18/14

Technical Report for

United Technology Corporation

ENSTNM: UTC RFF Superfund Site - Rialto, CA

0888815569

Accutest Job Number: C37283

Sampling Dates: 11/19/14 - 11/20/14

Report to:

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ATTN: Josh Teves

Total number of pages in report: **78**

NELAP ACCREDITED TNI LABORATORY

James J. Rhudy
Lab Director

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Client Service contact: Elvin Kumar 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925) DoD ELAP (L-A-B L2242)

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Accutest Laboratories

Sample Summary

United Technology Corporation

Job No: C37283

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 0888815569

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C37283-1	11/20/14	07:30	MB	11/21/14	AQ	Ground Water	5W13B5G280
C37283-2	11/20/14	08:50	MB	11/21/14	AQ	Ground Water	MP1G797
C37283-3	11/19/14	13:10	MB	11/21/14	AQ	Ground Water	PW14G300
C37283-4	11/19/14	12:35	MB	11/21/14	AQ	Ground Water	PW14G365
C37283-5	11/19/14	12:35	MB	11/21/14	AQ	Ground Water	PW14H365
C37283-6	11/19/14	11:55	MB	11/21/14	AQ	Ground Water	PW14G425
C37283-7	11/19/14	11:10	MB	11/21/14	AQ	Ground Water	PW14G525
C37283-8	11/19/14	10:27	MB	11/21/14	AQ	Ground Water	PW14G605
C37283-9	11/19/14	13:25	MB	11/21/14	AQ	Equipment Blank	EB1111914
C37283-10	11/19/14	08:45	MB	11/21/14	AQ	Trip Blank Water	TB1111914
C37283-11	11/20/14	13:15	MB	11/21/14	AQ	Ground Water	PW13G340
C37283-12	11/20/14	12:30	MB	11/21/14	AQ	Ground Water	PW13G395
C37283-12D	11/20/14	12:30	MB	11/21/14	AQ	Water Dup/MSD	PW13G395

Accutest Laboratories

Sample Summary
(continued)

United Technology Corporation

Job No: C37283

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 0888815569

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C37283-12S	11/20/14	12:30	MB	11/21/14	AQ	Water Matrix Spike	PW13G395
C37283-13	11/20/14	12:00	MB	11/21/14	AQ	Ground Water	PW13G475
C37283-14	11/20/14	11:20	MB	11/21/14	AQ	Ground Water	PW13G525
C37283-15	11/20/14	10:45	MB	11/21/14	AQ	Ground Water	PW13G615
C37283-16	11/20/14	13:25	MB	11/21/14	AQ	Equipment Blank	EB2112014

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C37283
Site:	ENSTNM: UTC RFF Superfund Site - Rialto, CA	**Report Date**	12/15/2014 6:10:40 P

15 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected between 11/19/2014 and 11/20/2014 and were received at Accutest on 11/21/2014 properly preserved, at 3.2 Deg. C and intact. These Samples received an Accutest job number of C37283. 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:** VW1795

- Sample(s) C37171-5MS, C37171-5MSD were used as the QC samples indicated.
- RPD for BSD for Vinyl chloride outside laboratory control limits; associated BS/BSD recoveries within acceptance limits.
- Matrix Spike Duplicate Recovery(s) for 1,2,4-Trichlorobenzene are outside laboratory control limits.

Matrix: AQ **Batch ID:** VW1796

- Sample(s) C37283-12MS, C37283-12MSD were used as the QC samples indicated.
- Sample(s) C37283-1, C37283-12, C37283-13, C37283-14, C37283-15, C37283-16 have for Dichlorodifluoromethane a CCV outside of control limits (biased high); not detected in samples.
- RPD for BSD for 1,1,2,2-Tetrachloroethane outside laboratory control limits; associated BS/BSD recoveries within acceptance limits.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Isopropyl Alcohol are outside laboratory control limits.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP7192

- Sample(s) C37283-12MS, C37283-12MSD were used as the QC samples for Perchlorate.
- Matrix Spike Duplicate Recovery(s) for Perchlorate are outside control limits. Probable cause due to matrix interference.

Wet Chemistry By Method SM2510 B-97

Matrix: AQ **Batch ID:** GN15092

- Sample(s) C37283-1DUP were used as the QC samples for Specific Conductivity.

Matrix: AQ **Batch ID:** GN15093

- Sample(s) C37283-12DUP 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: C37283
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 11/19/14 thru 11/20/14

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C37283-1	**5W13B5G280**					
Isopropyl Alcohol		6.4 J	100	5.0	ug/l	SW846 8260B
Perchlorate		45.1	1.0	0.31	ug/l	EPA 314
Specific Conductivity		457	1.0	1.0	umhos/cm	SM2510 B-97
C37283-2	**MP1G797**					
Isopropyl Alcohol		9.0 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		281	1.0	1.0	umhos/cm	SM2510 B-97
C37283-3	**PW14G300**					
1,2,4-Trichlorobenzene		0.51 J	2.0	0.20	ug/l	SW846 8260B
Toluene		0.21 J	1.0	0.20	ug/l	SW846 8260B
Specific Conductivity		423	1.0	1.0	umhos/cm	SM2510 B-97
C37283-4	**PW14G365**					
Perchlorate		18.2	1.0	0.31	ug/l	EPA 314
Specific Conductivity		455	1.0	1.0	umhos/cm	SM2510 B-97
C37283-5	**PW14H365**					
Perchlorate		18.6	1.0	0.31	ug/l	EPA 314
Specific Conductivity		449	1.0	1.0	umhos/cm	SM2510 B-97
C37283-6	**PW14G425**					
Isopropyl Alcohol		5.7 J	100	5.0	ug/l	SW846 8260B
Trichloroethylene		0.68 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		42.0	1.0	0.31	ug/l	EPA 314
Specific Conductivity		387	1.0	1.0	umhos/cm	SM2510 B-97
C37283-7	**PW14G525**					
Isopropyl Alcohol		9.7 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		268	1.0	1.0	umhos/cm	SM2510 B-97
C37283-8	**PW14G605**					
Isopropyl Alcohol		6.0 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		264	1.0	1.0	umhos/cm	SM2510 B-97

Summary of Hits

Job Number: C37283
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 11/19/14 thru 11/20/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C37283-9	**EB1111914**					
Specific Conductivity		3.5	1.0	1.0	umhos/cm	SM2510 B-97
C37283-10	**TB1111914**					
No hits reported in this sample.						
C37283-11	**PW13G340**					
Perchlorate		8.6	1.0	0.31	ug/l	EPA 314
Specific Conductivity		415	1.0	1.0	umhos/cm	SM2510 B-97
C37283-12	**PW13G395**					
Specific Conductivity		263	1.0	1.0	umhos/cm	SM2510 B-97
C37283-13	**PW13G475**					
Isopropyl Alcohol		7.8 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		195	1.0	1.0	umhos/cm	SM2510 B-97
C37283-14	**PW13G525**					
Isopropyl Alcohol		12.4 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		283	1.0	1.0	umhos/cm	SM2510 B-97
C37283-15	**PW13G615**					
Isopropyl Alcohol		19.2 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		261	1.0	1.0	umhos/cm	SM2510 B-97
C37283-16	**EB2112014**					
Isopropyl Alcohol		17.2 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		2.5	1.0	1.0	umhos/cm	SM2510 B-97

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	5W13B5G280		
Lab Sample ID:	C37283-1	**Date Sampled:**	11/20/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W49616.D	1	11/26/14	TN	n/a	n/a	VW1796
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	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	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W13B5G280		
Lab Sample ID:	C37283-1	**Date Sampled:**	11/20/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	110%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W13B5G280		
Lab Sample ID:	C37283-1	**Date Sampled:**	11/20/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	45.1	1.0	0.31	ug/l	1	12/13/14 16:28	PH	EPA 314
Specific Conductivity	457	1.0	1.0	umhos/cm	1	11/28/14 10:00	EB	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MP1G797		
Lab Sample ID:	C37283-2	**Date Sampled:**	11/20/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W49601.D	1	11/25/14	TN	n/a	n/a	VW1795
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	9.0	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1G797		
Lab Sample ID:	C37283-2	**Date Sampled:**	11/20/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	120%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	95%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1G797		
Lab Sample ID:	C37283-2	**Date Sampled:**	11/20/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	12/13/14 16:46	PH	EPA 314
Specific Conductivity	281	1.0	1.0	umhos/cm	1	11/28/14 10:00	EB	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW14G300		
Lab Sample ID:	C37283-3	**Date Sampled:**	11/19/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W49592.D	1	11/25/14	TN	n/a	n/a	VW1795
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	0.51	2.0	0.20	ug/l	J
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW14G300		
Lab Sample ID:	C37283-3	**Date Sampled:**	11/19/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	0.21	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	113%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	106%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW14G300		
Lab Sample ID:	C37283-3	**Date Sampled:**	11/19/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	12/13/14 17:04	PH	EPA 314
Specific Conductivity	423	1.0	1.0	umhos/cm	1	11/28/14 10:00	EB	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW14G365		
Lab Sample ID:	C37283-4	**Date Sampled:**	11/19/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W49593.D	1	11/25/14	TN	n/a	n/a	VW1795
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW14G365		
Lab Sample ID:	C37283-4	**Date Sampled:**	11/19/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	112%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW14G365		
Lab Sample ID:	C37283-4	**Date Sampled:**	11/19/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	18.2	1.0	0.31	ug/l	1	12/13/14 17:22	PH	EPA 314
Specific Conductivity	455	1.0	1.0	umhos/cm	1	11/28/14 10:00	EB	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW14H365		
Lab Sample ID:	C37283-5	**Date Sampled:**	11/19/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W49594.D	1	11/25/14	TN	n/a	n/a	VW1795
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW14H365		
Lab Sample ID:	C37283-5	**Date Sampled:**	11/19/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	112%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW14H365		
Lab Sample ID:	C37283-5	**Date Sampled:**	11/19/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	18.6	1.0	0.31	ug/l	1	12/13/14 17:40	PH	EPA 314
Specific Conductivity	449	1.0	1.0	umhos/cm	1	11/28/14 10:00	EB	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW14G425		
Lab Sample ID:	C37283-6	**Date Sampled:**	11/19/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W49597.D	1	11/25/14	TN	n/a	n/a	VW1795
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	5.7	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW14G425		
Lab Sample ID:	C37283-6	**Date Sampled:**	11/19/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	0.68	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	111%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW14G425		
Lab Sample ID:	C37283-6	**Date Sampled:**	11/19/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	42.0	1.0	0.31	ug/l	1	12/13/14 18:33	PH	EPA 314
Specific Conductivity	387	1.0	1.0	umhos/cm	1	11/28/14 10:00	EB	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW14G525		
Lab Sample ID:	C37283-7	**Date Sampled:**	11/19/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W49598.D	1	11/25/14	TN	n/a	n/a	VW1795
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	9.7	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW14G525		
Lab Sample ID:	C37283-7	**Date Sampled:**	11/19/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	113%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW14G525		
Lab Sample ID:	C37283-7	**Date Sampled:**	11/19/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	12/13/14 18:51	PH	EPA 314
Specific Conductivity	268	1.0	1.0	umhos/cm	1	11/28/14 10:00	EB	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW14G605		
Lab Sample ID:	C37283-8	**Date Sampled:**	11/19/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W49599.D	1	11/25/14	TN	n/a	n/a	VW1795
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	6.0	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW14G605		
Lab Sample ID:	C37283-8	**Date Sampled:**	11/19/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	113%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW14G605		
Lab Sample ID:	C37283-8	**Date Sampled:**	11/19/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	12/13/14 19:09	PH	EPA 314
Specific Conductivity	264	1.0	1.0	umhos/cm	1	11/28/14 10:00	EB	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	EB1111914		
Lab Sample ID:	C37283-9	**Date Sampled:**	11/19/14
Matrix:	AQ - Equipment Blank	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W49587.D	1	11/25/14	TN	n/a	n/a	VW1795
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB1111914		
Lab Sample ID:	C37283-9	**Date Sampled:**	11/19/14
Matrix:	AQ - Equipment Blank	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	96%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB1111914		
Lab Sample ID:	C37283-9	**Date Sampled:**	11/19/14
Matrix:	AQ - Equipment Blank	**Date Received:**	11/21/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	12/13/14 19:27	PH	EPA 314
Specific Conductivity	3.5	1.0	1.0	umhos/cm	1	11/28/14 10:00	EB	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	TB1111914		
Lab Sample ID:	C37283-10	**Date Sampled:**	11/19/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W49586.D	1	11/25/14	TN	n/a	n/a	VW1795
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB1111914		
Lab Sample ID:	C37283-10	**Date Sampled:**	11/19/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	104%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13G340		
Lab Sample ID:	C37283-11	**Date Sampled:**	11/20/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W49602.D	1	11/25/14	TN	n/a	n/a	VW1795
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13G340		
Lab Sample ID:	C37283-11	**Date Sampled:**	11/20/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	116%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13G340		
Lab Sample ID:	C37283-11	**Date Sampled:**	11/20/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	8.6	1.0	0.31	ug/l	1	12/13/14 19:45	PH	EPA 314
Specific Conductivity	415	1.0	1.0	umhos/cm	1	11/28/14 11:00	EB	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW13G395		
Lab Sample ID:	C37283-12	**Date Sampled:**	11/20/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W49617.D	1	11/26/14	TN	n/a	n/a	VW1796
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	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13G395		
Lab Sample ID:	C37283-12	**Date Sampled:**	11/20/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	111%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13G395		
Lab Sample ID:	C37283-12	**Date Sampled:**	11/20/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	12/13/14 20:03	PH	EPA 314
Specific Conductivity	263	1.0	1.0	umhos/cm	1	11/28/14 11:00	EB	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW13G475		
Lab Sample ID:	C37283-13	**Date Sampled:**	11/20/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W49618.D	1	11/26/14	TN	n/a	n/a	VW1796
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	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	7.8	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13G475		
Lab Sample ID:	C37283-13	**Date Sampled:**	11/20/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	112%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	75%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13G475		
Lab Sample ID:	C37283-13	**Date Sampled:**	11/20/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	12/13/14 20:56	PH	EPA 314
Specific Conductivity	195	1.0	1.0	umhos/cm	1	11/28/14 11:00	EB	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW13G525		
Lab Sample ID:	C37283-14	**Date Sampled:**	11/20/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W49619.D	1	11/26/14	TN	n/a	n/a	VW1796
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	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	12.4	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13G525		
Lab Sample ID:	C37283-14	**Date Sampled:**	11/20/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	114%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13G525		
Lab Sample ID:	C37283-14	**Date Sampled:**	11/20/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	12/13/14 21:14	PH	EPA 314
Specific Conductivity	283	1.0	1.0	umhos/cm	1	11/28/14 11:00	EB	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW13G615		
Lab Sample ID:	C37283-15	**Date Sampled:**	11/20/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W49620.D	1	11/26/14	TN	n/a	n/a	VW1796
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	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	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13G615		
Lab Sample ID:	C37283-15	**Date Sampled:**	11/20/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	111%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	107%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13G615		
Lab Sample ID:	C37283-15	**Date Sampled:**	11/20/14
Matrix:	AQ - Ground Water	**Date Received:**	11/21/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	12/13/14 22:25	PH	EPA 314
Specific Conductivity	261	1.0	1.0	umhos/cm	1	11/28/14 11:00	EB	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	EB2112014		
Lab Sample ID:	C37283-16	**Date Sampled:**	11/20/14
Matrix:	AQ - Equipment Blank	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W49615.D	1	11/26/14	TN	n/a	n/a	VW1796
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	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	17.2	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB2112014		
Lab Sample ID:	C37283-16	**Date Sampled:**	11/20/14
Matrix:	AQ - Equipment Blank	**Date Received:**	11/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	100%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB2112014		
Lab Sample ID:	C37283-16	**Date Sampled:**	11/20/14
Matrix:	AQ - Equipment Blank	**Date Received:**	11/21/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	12/13/14 22:43	PH	EPA 314
Specific Conductivity	2.5	1.0	1.0	umhos/cm	1	11/28/14 11:00	EB	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

1/2

CHAIN OF CUSTODY

ACCUTEST LABORATORIES
2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

FEDEX Tracking # 8064 9917 3851
Accutest Quote #
Bottle Order Control #
Accutest NC Job #: C C37283

Client / Reporting Information

Company Name: EnSafe
Address: 2151 Salvio St. STE 301
City: Concord State: Ca Zip: 94520
Project Contact: Josh Teves
Phone #: 925 305 2109
Samplers's Name: M. Bavishi mbavishi@ensafe.com

Project Information

Project Name: UTC-RFF superfund
Street:
City: Rialto State: Ca
Project #: 0888815569
EMAIL: jteves@ensafe.com
Client Purchase Order #:

Requested Analysis: VOC 8260B; Perchlorate E314

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI-Oil; WP-Wipe; LIQ - Non-aqueous Liquid; AIR; DW- Drinking Water (Perchlorate Only)

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	VOC 8260B	Perchlorate E314	LAB USE ONLY
1	SW13 B56280	11/20	0730	MB	GW	4	3				1				X	X	
2	MP16797	11/20	0850	MB	GW	4	3				1				X	X	
3	PW14G300	11/19	1310	MB	GW	4	3				1				X	X	
4	PW14G365	11/19	1235	MB	GW	4	3				1				X	X	
5	~~PW14H365~~ PW14H365	11/19	1235	MB	GW	4	3				1				X	X	
6	PW14G425	11/19	1155	MB	GW	4	3				1				X	X	
7	PW14G525	11/19	1110	MB	GW	4	3				1				X	X	
8	PW14G605	11/19	1027	MB	GW	4	3				1				X	X	
9	EB111914	11/19	1325	MB	WQ	4	3				1				X	X	
10	TB111914	11/19	0845	MB	WQ	3	3								X		

Turnaround Time (Business days)

Approved By:/ Date:

- [X] 10 Day
- [ ] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day
- [ ] Same Day

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:

Comments / Remarks

PW13G395 includes volume for MS/MSD

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	11/20 1330	1 11-20 1330	2	11-20 1830	2
Relinquished by: 3	Date Time: 11/21/19 0910	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Appropriate Bottle / Pres. Y/N; Labels match Coc? Y / N	Headspace Y/N; Separate Receiving Check List used: Y / N; On Ice Y/N; Cooler Temp. 3.2/3.2

IRVINE

C37283: Chain of Custody
Page 1 of 3

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CHAIN OF CUSTODY

ACCUTEST LABORATORIES
2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest NC Job #: C 37283

Client / Reporting Information

Company Name: EnSafe
Address: 2151 Salvio St. STE 301
City: Concord State: Ca Zip: 94520
Project Contact: Josh Teves
Phone #: 925 305 2109
Samplers's Name: M. Barishi mbarishi@ensafe.com

Project Information

Project Name: UTC-RFF Superfund
Street:
City: Rialto State: Ca
Project #: 088881556 9
EMAIL: jteves@ensafe.com
Client Purchase Order #:

Requested Analysis

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	EnCORE	VOC 8260B	Perchlorate E314
11	PW13G340	11/20	1315	MB	GW	4	3				1				X	X
12	PW13G395	11/20	1230	MB	GW	12	9				3				X	X
13	PW13G475	11/20	1200	MB	GW	4	3				1				X	X
14	PW13G525	11/20	1120	MB	GW	4	3				1				X	X
15	PW13G615	11/20	1045	MB	GW	4	3				1				X	X
16	EB2112014	11/20	1325	MB	WQ	4	3				1				X	X

Matrix Codes

WW- Wastewater
GW- Ground Water
SW- Surface Water
SO- Soil
OI-Oil
WP-Wipe
LIQ - Non-aqueous Liquid
AIR
DW- Drinking Water (Perchlorate Only)

LAB USE ONLY

Turnaround Time (Business days)

Approved By:/ Date:

- [X] 10 Day
- [ ] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day
- [ ] Same Day

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:

Comments / Remarks

PW13G395 includes volume for MS/MSD

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	11/20 1330	1 11-20 1330	2	11-20 1830	2
Relinquished by: 3	Date Time: 11/21/14 0910	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

Appropriate Bottle / Pres. Y / N Headspace Y / N On Ice Y / N Cooler Temp. ____ °C
Labels match Coc? Y / N Separate Receiving Check List used: Y / N

IRVINE

C37283: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C37283 **Client:** ENSAFE/UTC **Project:** UTC-RFF SUPERFUND

Date / Time Received: 11/21/2014 9:10:00 AM **Delivery Method:** FedEx **Airbill #'s:** 806499173851

Cooler Temps (Initial/Adjusted): #1: (3.2/3.2);

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. Therm ID:	IR1;		
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

C37283: Chain of Custody
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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: C37283
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1795-MB	W49585.D	1	11/25/14	TN	n/a	n/a	VW1795

The QC reported here applies to the following samples: **Method:** SW846 8260B

C37283-2, C37283-3, C37283-4, C37283-5, C37283-6, C37283-7, C37283-8, C37283-9, C37283-10, C37283-11

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: C37283
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1795-MB	W49585.D	1	11/25/14	TN	n/a	n/a	VW1795

The QC reported here applies to the following samples: **Method:** SW846 8260B

C37283-2, C37283-3, C37283-4, C37283-5, C37283-6, C37283-7, C37283-8, C37283-9, C37283-10, C37283-11

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	106%	70-130%
2037-26-5	Toluene-D8	103%	70-130%
460-00-4	4-Bromofluorobenzene	102%	70-130%

Method Blank Summary

Job Number: C37283
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1796-MB	W49613.D	1	11/26/14	TN	n/a	n/a	VW1796

The QC reported here applies to the following samples: **Method:** SW846 8260B

C37283-1, C37283-12, C37283-13, C37283-14, C37283-15, C37283-16

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: C37283
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1796-MB	W49613.D	1	11/26/14	TN	n/a	n/a	VW1796

The QC reported here applies to the following samples: **Method:** SW846 8260B

C37283-1, C37283-12, C37283-13, C37283-14, C37283-15, C37283-16

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	104%	70-130%
2037-26-5	Toluene-D8	106%	70-130%
460-00-4	4-Bromofluorobenzene	107%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C37283
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1795-BS	W49582.D	1	11/25/14	TN	n/a	n/a	VW1795
VW1795-BSD	W49583.D	1	11/25/14	TN	n/a	n/a	VW1795

The QC reported here applies to the following samples: **Method:** SW846 8260B

C37283-2, C37283-3, C37283-4, C37283-5, C37283-6, C37283-7, C37283-8, C37283-9, C37283-10, C37283-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.3	102	21.2	106	4	77-122/25
108-90-7	Chlorobenzene	20	20.0	100	20.1	101	0	77-122/16
75-00-3	Chloroethane	20	16.3	82	16.2	81	1	69-133/18
67-66-3	Chloroform	20	20.9	105	21.2	106	1	74-126/17
56-23-5	Carbon tetrachloride	20	21.0	105	21.7	109	3	71-133/19
75-34-3	1,1-Dichloroethane	20	20.9	105	21.0	105	0	71-125/17
75-35-4	1,1-Dichloroethylene	20	21.0	105	21.4	107	2	66-125/20
106-93-4	1,2-Dibromoethane	20	20.1	101	20.2	101	0	75-135/17
107-06-2	1,2-Dichloroethane	20	20.3	102	21.2	106	4	71-131/17
78-87-5	1,2-Dichloropropane	20	20.2	101	21.1	106	4	78-124/16
75-71-8	Dichlorodifluoromethane	20	16.0	80	14.7	74	8	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	20.9	105	21.3	107	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	20.2	101	21.3	107	5	72-130/16
541-73-1	m-Dichlorobenzene	20	20.8	104	20.8	104	0	75-124/16
95-50-1	o-Dichlorobenzene	20	20.8	104	20.7	104	0	76-124/16
106-46-7	p-Dichlorobenzene	20	20.4	102	20.5	103	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	19.5	98	19.5	98	0	71-126/16
100-41-4	Ethylbenzene	20	20.5	103	20.4	102	0	76-126/17
76-13-1	Freon 113	20	19.7	99	19.1	96	3	60-145/25
87-68-3	Hexachlorobutadiene	20	20.9	105	20.7	104	1	69-135/20
67-63-0	Isopropyl Alcohol	400	453	113	475	119	5	70-130/20
74-83-9	Methyl bromide	20	17.9	90	18.1	91	1	68-132/18
74-87-3	Methyl chloride	20	13.4	67	14.1	71	5	39-150/28
75-09-2	Methylene chloride	20	20.5	103	20.8	104	1	67-128/18
100-42-5	Styrene	20	20.8	104	20.9	105	0	72-134/16
71-55-6	1,1,1-Trichloroethane	20	21.3	107	21.2	106	0	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	20.1	101	20.1	101	0	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	21.7	109	21.5	108	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	21.0	105	20.7	104	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	21.7	109	21.3	107	2	77-129/17
127-18-4	Tetrachloroethylene	20	18.7	94	18.9	95	1	69-127/20
108-88-3	Toluene	20	20.1	101	19.9	100	1	75-122/17
79-01-6	Trichloroethylene	20	19.2	96	20.1	101	5	78-123/17
75-69-4	Trichlorofluoromethane	20	17.4	87	17.0	85	2	65-136/23
75-01-4	Vinyl chloride	20	17.3	87	13.2	66	27* [a]	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C37283
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1795-BS	W49582.D	1	11/25/14	TN	n/a	n/a	VW1795
VW1795-BSD	W49583.D	1	11/25/14	TN	n/a	n/a	VW1795

The QC reported here applies to the following samples: **Method:** SW846 8260B

C37283-2, C37283-3, C37283-4, C37283-5, C37283-6, C37283-7, C37283-8, C37283-9, C37283-10, C37283-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	40.4	101	40.4	101	0	76-125/17
95-47-6	o-Xylene	20	20.7	104	20.4	102	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	106%	107%	70-130%
2037-26-5	Toluene-D8	102%	100%	70-130%
460-00-4	4-Bromofluorobenzene	104%	101%	70-130%

(a) Outside laboratory control limits. AZ:R7

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C37283
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1796-BS	W49610.D	1	11/26/14	TN	n/a	n/a	VW1796
VW1796-BSD	W49611.D	1	11/26/14	TN	n/a	n/a	VW1796

The QC reported here applies to the following samples: **Method:** SW846 8260B

C37283-1, C37283-12, C37283-13, C37283-14, C37283-15, C37283-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.7	104	20.2	101	2	77-122/25
108-90-7	Chlorobenzene	20	20.3	102	20.1	101	1	77-122/16
75-00-3	Chloroethane	20	16.9	85	16.7	84	1	69-133/18
67-66-3	Chloroform	20	21.3	107	20.9	105	2	74-126/17
56-23-5	Carbon tetrachloride	20	21.4	107	20.9	105	2	71-133/19
75-34-3	1,1-Dichloroethane	20	21.4	107	20.6	103	4	71-125/17
75-35-4	1,1-Dichloroethylene	20	21.5	108	20.8	104	3	66-125/20
106-93-4	1,2-Dibromoethane	20	20.5	103	21.3	107	4	75-135/17
107-06-2	1,2-Dichloroethane	20	20.8	104	20.0	100	4	71-131/17
78-87-5	1,2-Dichloropropane	20	20.5	103	19.9	100	3	78-124/16
75-71-8	Dichlorodifluoromethane	20	21.6	108	20.7	104	4	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	21.4	107	21.1	106	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	20.6	103	20.4	102	1	72-130/16
541-73-1	m-Dichlorobenzene	20	20.7	104	20.8	104	0	75-124/16
95-50-1	o-Dichlorobenzene	20	19.3	97	20.6	103	7	76-124/16
106-46-7	p-Dichlorobenzene	20	19.8	99	20.5	103	3	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	19.7	99	22.1	111	11	71-126/16
100-41-4	Ethylbenzene	20	20.6	103	21.1	106	2	76-126/17
76-13-1	Freon 113	20	19.8	99	19.7	99	1	60-145/25
87-68-3	Hexachlorobutadiene	20	24.5	123	22.8	114	7	69-135/20
67-63-0	Isopropyl Alcohol	400	511	128	475	119	7	70-130/20
74-83-9	Methyl bromide	20	19.1	96	19.2	96	1	68-132/18
74-87-3	Methyl chloride	20	16.4	82	16.2	81	1	39-150/28
75-09-2	Methylene chloride	20	21.5	108	21.9	110	2	67-128/18
100-42-5	Styrene	20	21.1	106	18.8	94	12	72-134/16
71-55-6	1,1,1-Trichloroethane	20	21.6	108	21.1	106	2	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	24.7	124	19.5	98	24* [a]	77-129/17
79-00-5	1,1,2-Trichloroethane	20	20.3	102	22.4	112	10	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	24.5	123	21.7	109	12	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	23.9	120	20.3	102	16	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	24.7	124	20.9	105	17	77-129/17
127-18-4	Tetrachloroethylene	20	18.9	95	21.7	109	14	69-127/20
108-88-3	Toluene	20	20.0	100	22.9	115	14	75-122/17
79-01-6	Trichloroethylene	20	19.5	98	19.2	96	2	78-123/17
75-69-4	Trichlorofluoromethane	20	17.9	90	17.9	90	0	65-136/23
75-01-4	Vinyl chloride	20	18.4	92	18.4	92	0	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C37283
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1796-BS	W49610.D	1	11/26/14	TN	n/a	n/a	VW1796
VW1796-BSD	W49611.D	1	11/26/14	TN	n/a	n/a	VW1796

The QC reported here applies to the following samples: **Method:** SW846 8260B

C37283-1, C37283-12, C37283-13, C37283-14, C37283-15, C37283-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	40.9	102	39.8	100	3	76-125/17
95-47-6	o-Xylene	20	20.7	104	18.8	94	10	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	107%	106%	70-130%
2037-26-5	Toluene-D8	101%	115%	70-130%
460-00-4	4-Bromofluorobenzene	102%	91%	70-130%

(a) Outside laboratory control limits. AZ:R7

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C37283
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C37171-5MS	W49604.D	50	11/25/14	TN	n/a	n/a	VW1795
C37171-5MSD	W49605.D	50	11/25/14	TN	n/a	n/a	VW1795
C37171-5	W49591.D	50	11/25/14	TN	n/a	n/a	VW1795

The QC reported here applies to the following samples: **Method:** SW846 8260B

C37283-2, C37283-3, C37283-4, C37283-5, C37283-6, C37283-7, C37283-8, C37283-9, C37283-10, C37283-11

CAS No.	Compound	C37171-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		1000	941	94	1000	954	95	1	77-122/16
108-90-7	Chlorobenzene	113		1000	1030	92	1000	1070	96	4	77-122/16
75-00-3	Chloroethane	ND		1000	866	87	1000	863	86	0	69-133/18
67-66-3	Chloroform	ND		1000	1040	104	1000	1050	105	1	74-126/17
56-23-5	Carbon tetrachloride	ND		1000	968	97	1000	941	94	3	71-133/19
75-34-3	1,1-Dichloroethane	ND		1000	1050	105	1000	1050	105	0	71-125/17
75-35-4	1,1-Dichloroethylene	ND		1000	1000	100	1000	960	96	4	66-125/20
106-93-4	1,2-Dibromoethane	ND		1000	935	94	1000	950	95	2	75-135/17
107-06-2	1,2-Dichloroethane	ND		1000	1030	103	1000	1030	103	0	71-131/17
78-87-5	1,2-Dichloropropane	ND		1000	967	97	1000	980	98	1	78-124/16
75-71-8	Dichlorodifluoromethane	ND		1000	1080	108	1000	1040	104	4	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		1000	1000	100	1000	1010	101	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		1000	951	95	1000	973	97	2	72-130/16
541-73-1	m-Dichlorobenzene	214		1000	1170	96	1000	1220	101	4	75-124/16
95-50-1	o-Dichlorobenzene	42.1	J	1000	984	94	1000	1010	97	3	76-124/16
106-46-7	p-Dichlorobenzene	194		1000	1130	94	1000	1140	95	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		1000	915	92	1000	937	94	2	71-126/16
100-41-4	Ethylbenzene	ND		1000	954	95	1000	941	94	1	76-126/17
76-13-1	Freon 113	ND		1000	895	90	1000	846	85	6	60-145/25
87-68-3	Hexachlorobutadiene	ND		1000	875	88	1000	893	89	2	69-135/20
67-63-0	Isopropyl Alcohol	756	J	20000	22900	111	20000	23500	114	3	70-130/20
74-83-9	Methyl bromide	ND		1000	939	94	1000	948	95	1	68-132/18
74-87-3	Methyl chloride	ND		1000	742	74	1000	778	78	5	39-150/28
75-09-2	Methylene chloride	108	J	1000	1020	91	1000	1040	93	2	67-128/18
100-42-5	Styrene	ND		1000	872	87	1000	957	96	9	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		1000	1030	103	1000	1010	101	2	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		1000	1020	102	1000	1040	104	2	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		1000	949	95	1000	963	96	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	942		1000	2140	120	1000	2260	132* [a]	5	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		1000	954	95	1000	933	93	2	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		1000	963	96	1000	956	96	1	77-129/17
127-18-4	Tetrachloroethylene	ND		1000	787	79	1000	814	81	3	69-127/20
108-88-3	Toluene	ND		1000	888	89	1000	915	92	3	75-122/17
79-01-6	Trichloroethylene	ND		1000	884	88	1000	886	89	0	78-123/17
75-69-4	Trichlorofluoromethane	ND		1000	892	89	1000	894	89	0	65-136/23
75-01-4	Vinyl chloride	ND		1000	1010	101	1000	960	96	5	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C37283
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C37171-5MS	W49604.D	50	11/25/14	TN	n/a	n/a	VW1795
C37171-5MSD	W49605.D	50	11/25/14	TN	n/a	n/a	VW1795
C37171-5	W49591.D	50	11/25/14	TN	n/a	n/a	VW1795

The QC reported here applies to the following samples: **Method:** SW846 8260B

C37283-2, C37283-3, C37283-4, C37283-5, C37283-6, C37283-7, C37283-8, C37283-9, C37283-10, C37283-11

CAS No.	Compound	C37171-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		2000	1810	91	2000	1820	91	1	76-125/17
95-47-6	o-Xylene	ND		1000	864	86	1000	937	94	8	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C37171-5	Limits
1868-53-7	Dibromofluoromethane	117%	113%	112%	70-130%
2037-26-5	Toluene-D8	103%	102%	105%	70-130%
460-00-4	4-Bromofluorobenzene	109%	107%	105%	70-130%

(a) Outside laboratory control limits. AZ:M1

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C37283
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C37283-12MS	W49630.D	1	11/26/14	TN	n/a	n/a	VW1796
C37283-12MSD	W49631.D	1	11/26/14	TN	n/a	n/a	VW1796
C37283-12	W49617.D	1	11/26/14	TN	n/a	n/a	VW1796

The QC reported here applies to the following samples: **Method:** SW846 8260B

C37283-1, C37283-12, C37283-13, C37283-14, C37283-15, C37283-16

CAS No.	Compound	C37283-12 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	22.8	114	20	21.4	107	6	77-122/16
108-90-7	Chlorobenzene	ND		20	21.4	107	20	20.2	101	6	77-122/16
75-00-3	Chloroethane	ND		20	20.4	102	20	19.3	97	6	69-133/18
67-66-3	Chloroform	ND		20	24.3	122	20	22.9	115	6	74-126/17
56-23-5	Carbon tetrachloride	ND		20	24.7	124	20	23.2	116	6	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	24.8	124	20	23.1	116	7	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	21.2	106	20	22.2	111	5	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	22.3	112	20	20.2	101	10	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	24.6	123	20	22.2	111	10	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	23.0	115	20	21.5	108	7	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	26.3	132	20	25.2	126	4	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	23.0	115	20	22.5	113	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	22.9	115	20	20.2	101	13	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	21.1	106	20	20.8	104	1	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	21.5	108	20	21.1	106	2	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	20.9	105	20	20.7	104	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	21.7	109	20	18.7	94	15	71-126/16
100-41-4	Ethylbenzene	ND		20	22.5	113	20	21.2	106	6	76-126/17
76-13-1	Freon 113	ND		20	19.7	99	20	20.6	103	4	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	21.3	107	20	22.2	111	4	69-135/20
67-63-0	Isopropyl Alcohol	ND		400	533	133* [a]	400	529	132* [a]	1	70-130/20
74-83-9	Methyl bromide	ND		20	21.6	108	20	20.6	103	5	68-132/18
74-87-3	Methyl chloride	ND		20	20.3	102	20	20.1	101	1	39-150/28
75-09-2	Methylene chloride	ND		20	21.8	109	20	21.5	108	1	67-128/18
100-42-5	Styrene	ND		20	21.7	109	20	20.9	105	4	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	24.8	124	20	23.9	120	4	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	21.0	105	20	21.0	105	0	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	21.8	109	20	19.1	96	13	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	21.6	108	20	21.7	109	0	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	20.7	104	20	20.4	102	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	20.8	104	20	21.2	106	2	77-129/17
127-18-4	Tetrachloroethylene	ND		20	19.8	99	20	19.0	95	4	69-127/20
108-88-3	Toluene	ND		20	21.4	107	20	18.7	94	13	75-122/17
79-01-6	Trichloroethylene	ND		20	21.7	109	20	20.2	101	7	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	21.7	109	20	20.9	105	4	65-136/23
75-01-4	Vinyl chloride	ND		20	21.2	106	20	19.7	99	7	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C37283
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C37283-12MS	W49630.D	1	11/26/14	TN	n/a	n/a	VW1796
C37283-12MSD	W49631.D	1	11/26/14	TN	n/a	n/a	VW1796
C37283-12	W49617.D	1	11/26/14	TN	n/a	n/a	VW1796

The QC reported here applies to the following samples: **Method:** SW846 8260B

C37283-1, C37283-12, C37283-13, C37283-14, C37283-15, C37283-16

CAS No.	Compound	C37283-12 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	43.5	109	40	41.0	103	6	76-125/17
95-47-6	o-Xylene	ND		20	21.6	108	20	21.0	105	3	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C37283-12	Limits
1868-53-7	Dibromofluoromethane	116%	113%	111%	70-130%
2037-26-5	Toluene-D8	103%	96%	102%	70-130%
460-00-4	4-Bromofluorobenzene	99%	98%	105%	70-130%

(a) Outside laboratory control limits. AZ:M1

* = 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: C37283
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP7192/GN15245	3.0	0.0	ug/l	25	24.3	97.2	85-115%
Specific Conductivity	GN15092	1.0	0.0	umhos/cm				
Specific Conductivity	GN15093	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP7192: C37283-1, C37283-2, C37283-3, C37283-4, C37283-5, C37283-6, C37283-7, C37283-8, C37283-9, C37283-11, C37283-12, C37283-13, C37283-14, C37283-15, C37283-16
Batch GN15092: C37283-1, C37283-2, C37283-3, C37283-4, C37283-5, C37283-6, C37283-7, C37283-8, C37283-9
Batch GN15093: C37283-11, C37283-12, C37283-13, C37283-14, C37283-15, C37283-16
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C37283
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP7192/GN15245	ug/l	25	24.7	1.6	

Associated Samples:
Batch GP7192: C37283-1, C37283-2, C37283-3, C37283-4, C37283-5, C37283-6, C37283-7, C37283-8, C37283-9, C37283-11, C37283-12, C37283-13, C37283-14, C37283-15, C37283-16
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C37283
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN15092	C37283-1	umhos/cm	457	459	0.4	0-10%
Specific Conductivity	GN15093	C37283-12	umhos/cm	263	257	2.3	0-10%

Associated Samples:
Batch GN15092: C37283-1, C37283-2, C37283-3, C37283-4, C37283-5, C37283-6, C37283-7, C37283-8, C37283-9
Batch GN15093: C37283-11, C37283-12, C37283-13, C37283-14, C37283-15, C37283-16
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C37283
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP7192/GN15245	C37283-12	ug/l	0.31 U	25	29.3	117.2	80-120%

Associated Samples:
Batch GP7192: C37283-1, C37283-2, C37283-3, C37283-4, C37283-5, C37283-6, C37283-7, C37283-8, C37283-9, C37283-11, C37283-12, C37283-13, C37283-14, C37283-15, C37283-16
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C37283
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP7192/GN15245	C37283-12	ug/l	0.31 U	25	30.1	2.7	15%

Associated Samples:
Batch GP7192: C37283-1, C37283-2, C37283-3, C37283-4, C37283-5, C37283-6, C37283-7, C37283-8, C37283-9, C37283-11, C37283-12, C37283-13, C37283-14, C37283-15, C37283-16
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
ACCUTEST
LABORATORIES

06/25/14

Technical Report for

United Technology Corporation

ENSTNM: UTC RFF Superfund Site - Rialto, CA

0888815569 Phase 01 (PO#:16932)

Accutest Job Number: C34484

Sampling Dates: 06/09/14 - 06/10/14

Report to:

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Total number of pages in report: **88**

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Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Elvin Kumar 408-588-0200

Certifications: OR (CA300006) CA (08258CA) CA (ELAP 2910) AZ (AZ0762) DoD ELAP (L-A-B L2242)

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Accutest Laboratories

Sample Summary

United Technology Corporation

Job No: C34484

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 0888815569 Phase 01 (PO#:16932)

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C34484-1	06/09/14	09:00	JI	06/11/14	AQ	Ground Water	PW12G725/PW12
C34484-2	06/09/14	09:15	JI	06/11/14	AQ	Ground Water	PW12G555/PW12
C34484-3	06/09/14	09:40	JI	06/11/14	AQ	Ground Water	PW12G500/PW12
C34484-4	06/09/14	10:10	JI	06/11/14	AQ	Ground Water	PW12G395/PW12
C34484-5	06/09/14	10:35	JI	06/11/14	AQ	Ground Water	PW12G345/PW12
C34484-6	06/09/14	12:55	JI	06/11/14	AQ	Ground Water	PW11G750/PW11
C34484-7	06/09/14	10:35	JI	06/11/14	AQ	Ground Water	PW12H345/PW12
C34484-8	06/09/14	13:30	JI	06/11/14	AQ	Ground Water	PW11G695/PW11
C34484-8D	06/09/14	13:30	JI	06/11/14	AQ	Water Dup/MSD	PW11G695/PW11
C34484-8S	06/09/14	13:30	JI	06/11/14	AQ	Water Matrix Spike	PW11G695/PW11
C34484-9	06/09/14	14:00	JI	06/11/14	AQ	Equipment Blank	EB1060914
C34484-10	06/10/14	07:55	JI	06/11/14	AQ	Ground Water	PW11G560/PW11
C34484-11	06/10/14	08:20	JI	06/11/14	AQ	Ground Water	PW11G450/PW11

Accutest Laboratories

Sample Summary
(continued)

United Technology Corporation

Job No: C34484

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 0888815569 Phase 01 (PO#:16932)

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C34484-12	06/10/14	08:50	JI	06/11/14	AQ	Ground Water	PW11G355/PW11
C34484-13	06/10/14	10:10	JI	06/11/14	AQ	Ground Water	PW10G745/PW10
C34484-14	06/10/14	10:40	JI	06/11/14	AQ	Ground Water	PW10G605/PW10
C34484-15	06/10/14	11:05	JI	06/11/14	AQ	Ground Water	PW10G545/PW10
C34484-16	06/10/14	11:35	JI	06/11/14	AQ	Ground Water	PW10G460/PW10
C34484-17	06/10/14	12:00	JI	06/11/14	AQ	Ground Water	PW10G360/PW10
C34484-18	06/10/14	12:15	JI	06/11/14	AQ	Equipment Blank	EB2061014
C34484-19	06/10/14	00:00	JI	06/11/14	AQ	Trip Blank Water	TB1061014

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C34484
Site:	ENSTNM: UTC RFF Superfund Site - Rialto, CA	**Report Date**	6/25/2014 7:58:26 PM

18 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected between 06/09/2014 and 06/10/2014 and were received at Accutest on 06/11/2014 properly preserved, at 5.1 Deg. C and intact. These Samples received an Accutest job number of C34484. 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:** VW1666

- Sample(s) C34484-8MS, C34484-8MSD were used as the QC samples indicated.
- Sample(s) C34484-1, C34484-2, C34484-3, C34484-4, C34484-5, C34484-6, C34484-7, C34484-8, C34484-9, C34484-10, C34484-11, C34484-12, C34484-13, C34484-14, C34484-15, C34484-16, C34484-17 have for Dichlorodifluoromethane a CCV outside of control limits (biased high); not detected in samples.
- Sample(s) VW1666-BSD has surrogate (Dibromofluoromethane) outside laboratory control limits. All target analyte spike recoveries are within control limits.

Matrix: AQ **Batch ID:** VW1669

- Sample(s) C34550-7MS, C34550-7MSD were used as the QC samples indicated.
- Sample(s) C34484-18, C34484-19 have for Dichlorodifluoromethane a CCV outside of control limits (biased high); not detected in samples.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP6496

- Sample(s) C34484-8MSD, C34484-8MS were used as the QC samples for Perchlorate.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Perchlorate are outside control limits. Probable cause due to matrix interference.

Matrix: AQ **Batch ID:** GP6518

- Sample(s) C34484-18MS, C34484-18MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM2510 B-97

Matrix: AQ **Batch ID:** GN13809

- Sample(s) C34484-9DUP 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: C34484
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 06/09/14 thru 06/10/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C34484-1	**PW12G725/PW12**					
Isopropyl Alcohol		12.7 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		342	1.0	1.0	umhos/cm	SM2510 B-97
C34484-2	**PW12G555/PW12**					
Isopropyl Alcohol		24.5 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		289	1.0	1.0	umhos/cm	SM2510 B-97
C34484-3	**PW12G500/PW12**					
Isopropyl Alcohol		23.2 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		297	1.0	1.0	umhos/cm	SM2510 B-97
C34484-4	**PW12G395/PW12**					
Isopropyl Alcohol		29.7 J	100	5.0	ug/l	SW846 8260B
Perchlorate		2.3	1.0	0.31	ug/l	EPA 314
Specific Conductivity		405	1.0	1.0	umhos/cm	SM2510 B-97
C34484-5	**PW12G345/PW12**					
Isopropyl Alcohol		14.8 J	100	5.0	ug/l	SW846 8260B
Perchlorate		2.9	1.0	0.31	ug/l	EPA 314
Specific Conductivity		544	1.0	1.0	umhos/cm	SM2510 B-97
C34484-6	**PW11G750/PW11**					
Isopropyl Alcohol		22.7 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		262	1.0	1.0	umhos/cm	SM2510 B-97
C34484-7	**PW12H345/PW12**					
Isopropyl Alcohol		13.8 J	100	5.0	ug/l	SW846 8260B
Perchlorate		2.7	1.0	0.31	ug/l	EPA 314
Specific Conductivity		541	1.0	1.0	umhos/cm	SM2510 B-97
C34484-8	**PW11G695/PW11**					
Isopropyl Alcohol		17.1 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		364	1.0	1.0	umhos/cm	SM2510 B-97

Summary of Hits

Job Number: C34484
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 06/09/14 thru 06/10/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C34484-9	**EB1060914**					
Isopropyl Alcohol		32.0 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		1500	1.0	1.0	umhos/cm	SM2510 B-97
C34484-10	**PW11G560/PW11**					
Isopropyl Alcohol		36.4 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		295	1.0	1.0	umhos/cm	SM2510 B-97
C34484-11	**PW11G450/PW11**					
Isopropyl Alcohol		10.4 J	100	5.0	ug/l	SW846 8260B
Perchlorate		4.4	1.0	0.31	ug/l	EPA 314
Specific Conductivity		316	1.0	1.0	umhos/cm	SM2510 B-97
C34484-12	**PW11G355/PW11**					
Isopropyl Alcohol		36.9 J	100	5.0	ug/l	SW846 8260B
Trichloroethylene		0.60 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		29.4	1.0	0.31	ug/l	EPA 314
Specific Conductivity		511	1.0	1.0	umhos/cm	SM2510 B-97
C34484-13	**PW10G745/PW10**					
Isopropyl Alcohol		10.1 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		343	1.0	1.0	umhos/cm	SM2510 B-97
C34484-14	**PW10G605/PW10**					
Specific Conductivity		273	1.0	1.0	umhos/cm	SM2510 B-97
C34484-15	**PW10G545/PW10**					
Isopropyl Alcohol		23.0 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		282	1.0	1.0	umhos/cm	SM2510 B-97
C34484-16	**PW10G460/PW10**					
Isopropyl Alcohol		10.4 J	100	5.0	ug/l	SW846 8260B
Trichloroethylene		14.8	1.0	0.20	ug/l	SW846 8260B
Perchlorate		476	20	6.3	ug/l	EPA 314
Specific Conductivity		422	1.0	1.0	umhos/cm	SM2510 B-97

Summary of Hits

Job Number: C34484
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 06/09/14 thru 06/10/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C34484-17	**PW10G360/PW10**					
Isopropyl Alcohol		39.8 J	100	5.0	ug/l	SW846 8260B
Trichloroethylene		0.29 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		18.1	1.0	0.31	ug/l	EPA 314
Specific Conductivity		543	1.0	1.0	umhos/cm	SM2510 B-97
C34484-18	**EB2061014**					
Isopropyl Alcohol		9.8 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		1600	1.0	1.0	umhos/cm	SM2510 B-97
C34484-19	**TB1061014**					
Isopropyl Alcohol		30.5 J	100	5.0	ug/l	SW846 8260B

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	PW12G725/PW12		
Lab Sample ID:	C34484-1	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46300.D	1	06/13/14	BD	n/a	n/a	VW1666
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	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	12.7	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G725/PW12		
Lab Sample ID:	C34484-1	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	115%		70-130%
2037-26-5	Toluene-D8	117%		70-130%
460-00-4	4-Bromofluorobenzene	111%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G725/PW12		
Lab Sample ID:	C34484-1	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	06/13/14 18:20	PH	EPA 314
Specific Conductivity	342	1.0	1.0	umhos/cm	1	06/13/14	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW12G555/PW12		
Lab Sample ID:	C34484-2	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46301.D	1	06/13/14	BD	n/a	n/a	VW1666
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	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	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G555/PW12		
Lab Sample ID:	C34484-2	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	114%		70-130%
2037-26-5	Toluene-D8	120%		70-130%
460-00-4	4-Bromofluorobenzene	117%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G555/PW12		
Lab Sample ID:	C34484-2	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	06/13/14 18:38	PH	EPA 314
Specific Conductivity	289	1.0	1.0	umhos/cm	1	06/13/14	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW12G500/PW12		
Lab Sample ID:	C34484-3	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46302.D	1	06/13/14	BD	n/a	n/a	VW1666
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	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	23.2	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G500/PW12		
Lab Sample ID:	C34484-3	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	111%		70-130%
2037-26-5	Toluene-D8	113%		70-130%
460-00-4	4-Bromofluorobenzene	109%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G500/PW12		
Lab Sample ID:	C34484-3	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	06/13/14 18:55	PH	EPA 314
Specific Conductivity	297	1.0	1.0	umhos/cm	1	06/13/14	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW12G395/PW12		
Lab Sample ID:	C34484-4	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46303.D	1	06/13/14	BD	n/a	n/a	VW1666
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	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	29.7	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G395/PW12		
Lab Sample ID:	C34484-4	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	116%		70-130%
2037-26-5	Toluene-D8	119%		70-130%
460-00-4	4-Bromofluorobenzene	116%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G395/PW12		
Lab Sample ID:	C34484-4	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	2.3	1.0	0.31	ug/l	1	06/13/14 19:13	PH	EPA 314
Specific Conductivity	405	1.0	1.0	umhos/cm	1	06/13/14	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW12G345/PW12		
Lab Sample ID:	C34484-5	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46304.D	1	06/13/14	BD	n/a	n/a	VW1666
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	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	14.8	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G345/PW12		
Lab Sample ID:	C34484-5	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	121%		70-130%
2037-26-5	Toluene-D8	118%		70-130%
460-00-4	4-Bromofluorobenzene	113%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G345/PW12		
Lab Sample ID:	C34484-5	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	2.9	1.0	0.31	ug/l	1	06/13/14 19:30	PH	EPA 314
Specific Conductivity	544	1.0	1.0	umhos/cm	1	06/13/14	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW11G750/PW11		
Lab Sample ID:	C34484-6	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46305.D	1	06/13/14	BD	n/a	n/a	VW1666
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	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	22.7	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G750/PW11		
Lab Sample ID:	C34484-6	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	113%		70-130%
2037-26-5	Toluene-D8	114%		70-130%
460-00-4	4-Bromofluorobenzene	109%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G750/PW11		
Lab Sample ID:	C34484-6	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	06/13/14 19:48	PH	EPA 314
Specific Conductivity	262	1.0	1.0	umhos/cm	1	06/13/14	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW12H345/PW12		
Lab Sample ID:	C34484-7	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46306.D	1	06/13/14	BD	n/a	n/a	VW1666
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	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	13.8	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12H345/PW12		
Lab Sample ID:	C34484-7	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	111%		70-130%
2037-26-5	Toluene-D8	114%		70-130%
460-00-4	4-Bromofluorobenzene	109%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12H345/PW12		
Lab Sample ID:	C34484-7	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	2.7	1.0	0.31	ug/l	1	06/13/14 20:05	PH	EPA 314
Specific Conductivity	541	1.0	1.0	umhos/cm	1	06/13/14	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW11G695/PW11		
Lab Sample ID:	C34484-8	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46299.D	1	06/13/14	BD	n/a	n/a	VW1666
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	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	17.1	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G695/PW11		
Lab Sample ID:	C34484-8	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	112%		70-130%
2037-26-5	Toluene-D8	114%		70-130%
460-00-4	4-Bromofluorobenzene	109%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G695/PW11		
Lab Sample ID:	C34484-8	**Date Sampled:**	06/09/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	06/13/14 20:22	PH	EPA 314
Specific Conductivity	364	1.0	1.0	umhos/cm	1	06/13/14	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	EB1060914		
Lab Sample ID:	C34484-9	**Date Sampled:**	06/09/14
Matrix:	AQ - Equipment Blank	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46307.D	1	06/13/14	BD	n/a	n/a	VW1666
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	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	32.0	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB1060914		
Lab Sample ID:	C34484-9	**Date Sampled:**	06/09/14
Matrix:	AQ - Equipment Blank	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	113%		70-130%
2037-26-5	Toluene-D8	113%		70-130%
460-00-4	4-Bromofluorobenzene	109%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB1060914		
Lab Sample ID:	C34484-9	**Date Sampled:**	06/09/14
Matrix:	AQ - Equipment Blank	**Date Received:**	06/11/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	06/16/14 16:36	PH	EPA 314
Specific Conductivity	1500	1.0	1.0	umhos/cm	1	06/13/14	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW11G560/PW11		
Lab Sample ID:	C34484-10	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46308.D	1	06/13/14	BD	n/a	n/a	VW1666
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	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	36.4	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G560/PW11		
Lab Sample ID:	C34484-10	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	112%		70-130%
2037-26-5	Toluene-D8	113%		70-130%
460-00-4	4-Bromofluorobenzene	110%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G560/PW11		
Lab Sample ID:	C34484-10	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	06/16/14 16:54	PH	EPA 314
Specific Conductivity	295	1.0	1.0	umhos/cm	1	06/13/14	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW11G450/PW11		
Lab Sample ID:	C34484-11	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46309.D	1	06/13/14	BD	n/a	n/a	VW1666
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	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	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:	PW11G450/PW11		
Lab Sample ID:	C34484-11	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	115%		70-130%
2037-26-5	Toluene-D8	113%		70-130%
460-00-4	4-Bromofluorobenzene	111%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G450/PW11		
Lab Sample ID:	C34484-11	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	4.4	1.0	0.31	ug/l	1	06/16/14 17:11	PH	EPA 314
Specific Conductivity	316	1.0	1.0	umhos/cm	1	06/13/14	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW11G355/PW11		
Lab Sample ID:	C34484-12	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46310.D	1	06/13/14	BD	n/a	n/a	VW1666
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	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	36.9	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G355/PW11		
Lab Sample ID:	C34484-12	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	0.60	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	115%		70-130%
2037-26-5	Toluene-D8	114%		70-130%
460-00-4	4-Bromofluorobenzene	110%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G355/PW11		
Lab Sample ID:	C34484-12	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	29.4	1.0	0.31	ug/l	1	06/16/14 17:29	PH	EPA 314
Specific Conductivity	511	1.0	1.0	umhos/cm	1	06/13/14	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW10G745/PW10		
Lab Sample ID:	C34484-13	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46311.D	1	06/13/14	BD	n/a	n/a	VW1666
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	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	10.1	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G745/PW10		
Lab Sample ID:	C34484-13	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	117%		70-130%
2037-26-5	Toluene-D8	112%		70-130%
460-00-4	4-Bromofluorobenzene	111%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G745/PW10		
Lab Sample ID:	C34484-13	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	06/16/14 18:38	PH	EPA 314
Specific Conductivity	343	1.0	1.0	umhos/cm	1	06/13/14	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW10G605/PW10		
Lab Sample ID:	C34484-14	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46312.D	1	06/13/14	BD	n/a	n/a	VW1666
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	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G605/PW10		
Lab Sample ID:	C34484-14	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	117%		70-130%
2037-26-5	Toluene-D8	114%		70-130%
460-00-4	4-Bromofluorobenzene	112%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G605/PW10		
Lab Sample ID:	C34484-14	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	06/16/14 18:56	PH	EPA 314
Specific Conductivity	273	1.0	1.0	umhos/cm	1	06/13/14	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW10G545/PW10		
Lab Sample ID:	C34484-15	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46313.D	1	06/13/14	BD	n/a	n/a	VW1666
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	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	23.0	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G545/PW10		
Lab Sample ID:	C34484-15	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	116%		70-130%
2037-26-5	Toluene-D8	113%		70-130%
460-00-4	4-Bromofluorobenzene	111%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G545/PW10		
Lab Sample ID:	C34484-15	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	06/16/14 19:13	PH	EPA 314
Specific Conductivity	282	1.0	1.0	umhos/cm	1	06/13/14	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW10G460/PW10		
Lab Sample ID:	C34484-16	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46314.D	1	06/13/14	BD	n/a	n/a	VW1666
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	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	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G460/PW10		
Lab Sample ID:	C34484-16	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	14.8	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	117%		70-130%
2037-26-5	Toluene-D8	115%		70-130%
460-00-4	4-Bromofluorobenzene	111%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G460/PW10		
Lab Sample ID:	C34484-16	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	476	20	6.3	ug/l	20	06/16/14 19:31	PH	EPA 314
Specific Conductivity	422	1.0	1.0	umhos/cm	1	06/13/14	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW10G360/PW10		
Lab Sample ID:	C34484-17	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46315.D	1	06/13/14	BD	n/a	n/a	VW1666
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	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	39.8	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G360/PW10		
Lab Sample ID:	C34484-17	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	0.29	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	123%		70-130%
2037-26-5	Toluene-D8	114%		70-130%
460-00-4	4-Bromofluorobenzene	112%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G360/PW10		
Lab Sample ID:	C34484-17	**Date Sampled:**	06/10/14
Matrix:	AQ - Ground Water	**Date Received:**	06/11/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	18.1	1.0	0.31	ug/l	1	06/16/14 19:48	PH	EPA 314
Specific Conductivity	543	1.0	1.0	umhos/cm	1	06/13/14	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	EB2061014		
Lab Sample ID:	C34484-18	**Date Sampled:**	06/10/14
Matrix:	AQ - Equipment Blank	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46379.D	1	06/18/14	RD	n/a	n/a	VW1669
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	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	9.8	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB2061014		
Lab Sample ID:	C34484-18	**Date Sampled:**	06/10/14
Matrix:	AQ - Equipment Blank	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	97%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB2061014		
Lab Sample ID:	C34484-18	**Date Sampled:**	06/10/14
Matrix:	AQ - Equipment Blank	**Date Received:**	06/11/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	06/16/14 20:05	PH	EPA 314
Specific Conductivity	1600	1.0	1.0	umhos/cm	1	06/13/14	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	TB1061014		
Lab Sample ID:	C34484-19	**Date Sampled:**	06/10/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46380.D	1	06/18/14	RD	n/a	n/a	VW1669
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	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	30.5	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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB1061014		
Lab Sample ID:	C34484-19	**Date Sampled:**	06/10/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/11/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range 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

Pg 1 of 2

[redacted] C34484

CHAIN OF CUSTODY

ACCUTEST® LABORATORIES

2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

UTCC A55 6175 5836

FED-EX Tracking # 8042 3203 2243
Bottle Order Control #
Accutest Quote #
Accutest NC Job #: C [redacted]

Client / Reporting Information

Company Name: EnSafe Inc.
Address: 2151 Salvio St. Ste 301
City: Concord, CA State: CA Zip: 94520
Project Contact: Josh Teves
Phone #: 925-305-2109
Samplers's Name: Jennifer Isaac

Project Information

Project Name: UTC RFF Superfund
Street:
City: Rialto State: CA
Project #:
EMAIL: jteves@ensafe.com
Client Purchase Order #:

Requested Analysis

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	Na2SO4	MEOH	ENCORE	VOCs (8260B)	Perchlorate (314.0)
1	PW126725/PW12	6/9/14	0900	JI	GW	4	3				1				X	X
2	PW126555/PW12	6/9/14	0915		GW	4	3				1				X	X
3	PW126500/PW12	6/9/14	0940		GW	4	3				1				X	X
4	~~PW126~~ PW126395/PW12	6/9/14	1010		GW	4	3				1				X	X
5	PW126345/PW12	6/9/14	1035		GW	4	3				1				X	X
6	PW116750/PW11	6/9/14	1255		GW	4	3				1				X	X
~~X~~	~~PW116695~~	~~6/9/14~~	~~1330~~		~~GW~~	~~4~~	~~3~~				~~1~~				~~X~~	~~X~~
7	PW12H345/PW12	6/9/14	1035		GW	4	3				1				X	X
8	PW116695/PW11	6/9/14	1330		GW	12	9				3				X	X
9	EB106@914	6/9/14	1400	✓	[redacted]	4	3				1				X	X

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI-Oil; WP-Wipe; LIQ - Non-aqueous Liquid; AIR; DW- Drinking Water (Perchlorate Only)

LAB USE ONLY

Turnaround Time (Business days)

Approved By:/ Date:

- [X] 10 Day
- [ ] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day
- [ ] Same Day

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:

Comments / Remarks

IRVINE

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	6/10/14 1237	1 6-10 1436	2	6-10 1530	2 Fed ex
3 Fed ex	6/11/14 1011	3	4		4
5		5			

Custody Seal #
Appropriate Bottle / Pres. Y / N
Headspace Y / N
On Ice Y / N
Cooler Temp.
Labels match Coc? Y / N
Separate Receiving Check List used: Y / N
_____ oC

[redacted]

3

5.4 - 0.3 = 5.1

5.1 5

C34484: Chain of Custody
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Pg 2 of 2

C34484

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

UTCCAS5612S

FED-EX Tracking # 8042 3203 2213
Bottle Order Control #
Accutest Quote #
Accutest NC Job #: C ~~C34485~~

Client / Reporting Information

Company Name: EnSafe Inc
Address: 2151 Salvio St, Ste 301
City: Concord State: CA Zip: 94520
Project Contact: Josh Teves
Phone #: 925-305-2109
Samplers's Name: Jennifer Isaac

Project Information

Project Name: UTC RFF Superfund
Street:
City: Rialto State: CA
Project #:
EMAIL: jteves@ensafe.com
Client Purchase Order #:

Requested Analysis

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI-Oil; WP-Wipe; LIQ - Non-aqueous Liquid; AIR; DW- Drinking Water (Perchlorate Only)

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	VOCs (8260B)	Perchlorate (314.0)		Lab #	LAB USE ONLY
	PW11G560 / PW11	6/10/14	0755	JI	GW	4	3				1				X	X		10	
	PW11G450 / PW11	6/10/14	0820		GW	4	3				1				X	X		11	
	PW11G355 / PW11	6/10/14	0850		GW	4	3				1				X	X		12	
	PW10G745 / PW10	6/10/14	1000		GW	4	3				1				X	X		13	
	PW10G605 / PW10	6/10/14	1040		GW	4	3				1				X	X		14	
	PW10G545 / PW10	6/10/14	1105		GW	4	3				1				X	X		15	
	PW10G460 / PW10	6/10/14	1135		GW	4	3				1				X	X		16	
	PW10G360 / PW10	6/10/14	1200		GW	4	3				1				X	X		17	
	EB20610/14	6/10/14	1215		WQ	4	3				1				X	X		18	
	TB10610/14	6/10/14	0845		WQ	3	3								X			19	

Turnaround Time (Business days)

Approved By/ Date:

- [X] 10 Day
- [ ] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day
- [ ] Same Day

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:

Comments / Remarks

IRVINE

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	6/10/14 1540	1 6/10 1436	2	6-10 1530	2 Fed Ex
Relinquished By: 3 Fed Ex	Date Time: 6/11/14 1011	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Appropriate Bottle / Pres. Y / N; Labels match Coc? Y / N; Headspace Y / N; Separate Receiving Check List used: Y / N; On Ice Y / N	Cooler Temp. 5.4-0.3 °C

5.1

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C34484: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C34484 **Client:** ENSAFE INC/UTC **Project:** UTC RFF SUPERFUND

Date / Time Received: 6/11/2014 **Delivery Method:** FedEx **Airbill #'s:** 804232032243

Cooler Temps (Initial/Adjusted): #1: (5.4/5.1);

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;		
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

5.1

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C34484: Chain of Custody

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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: C34484
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1666-MB	W46298.D	1	06/13/14	BD	n/a	n/a	VW1666

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34484-1, C34484-2, C34484-3, C34484-4, C34484-5, C34484-6, C34484-7, C34484-8, C34484-9, C34484-10, C34484-11, C34484-12, C34484-13, C34484-14, C34484-15, C34484-16, C34484-17

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	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: C34484
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1666-MB	W46298.D	1	06/13/14	BD	n/a	n/a	VW1666

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34484-1, C34484-2, C34484-3, C34484-4, C34484-5, C34484-6, C34484-7, C34484-8, C34484-9, C34484-10, C34484-11, C34484-12, C34484-13, C34484-14, C34484-15, C34484-16, C34484-17

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	111%	70-130%
2037-26-5	Toluene-D8	115%	70-130%
460-00-4	4-Bromofluorobenzene	109%	70-130%

Method Blank Summary

Job Number: C34484
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1669-MB	W46377.D	1	06/18/14	RD	n/a	n/a	VW1669

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34484-18, C34484-19

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	9.9	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	
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: C34484
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1669-MB	W46377.D	1	06/18/14	RD	n/a	n/a	VW1669

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34484-18, C34484-19

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	98%	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: C34484
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1666-BS	W46295.D	1	06/13/14	BD	n/a	n/a	VW1666
VW1666-BSD	W46296.D	1	06/13/14	BD	n/a	n/a	VW1666

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34484-1, C34484-2, C34484-3, C34484-4, C34484-5, C34484-6, C34484-7, C34484-8, C34484-9, C34484-10, C34484-11, C34484-12, C34484-13, C34484-14, C34484-15, C34484-16, C34484-17

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	19.6	98	2	77-122/25
108-90-7	Chlorobenzene	20	18.7	94	18.5	93	1	77-122/16
75-00-3	Chloroethane	20	19.9	100	21.2	106	6	69-133/18
67-66-3	Chloroform	20	20.6	103	24.1	121	16	74-126/17
56-23-5	Carbon tetrachloride	20	21.5	108	22.2	111	3	71-133/19
75-34-3	1,1-Dichloroethane	20	20.0	100	22.8	114	13	71-125/17
75-35-4	1,1-Dichloroethylene	20	19.4	97	21.1	106	8	66-125/20
106-93-4	1,2-Dibromoethane	20	18.4	92	18.5	93	1	75-135/17
107-06-2	1,2-Dichloroethane	20	21.6	108	23.5	118	8	71-131/17
78-87-5	1,2-Dichloropropane	20	19.4	97	20.4	102	5	78-124/16
75-71-8	Dichlorodifluoromethane	20	22.1	111	23.3	117	5	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	19.1	96	20.8	104	9	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	19.9	100	20.4	102	2	72-130/16
541-73-1	m-Dichlorobenzene	20	18.1	91	18.4	92	2	75-124/16
95-50-1	o-Dichlorobenzene	20	17.9	90	18.2	91	2	76-124/16
106-46-7	p-Dichlorobenzene	20	18.2	91	18.3	92	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	21.4	107	20.3	102	5	71-126/16
100-41-4	Ethylbenzene	20	20.2	101	19.0	95	6	76-126/17
76-13-1	Freon 113	20	22.3	112	23.5	118	5	60-145/25
87-68-3	Hexachlorobutadiene	20	19.2	96	16.9	85	13	69-135/20
67-63-0	Isopropyl Alcohol	400	407	102	490	123	19	70-130/20
74-83-9	Methyl bromide	20	19.0	95	20.6	103	8	68-132/18
74-87-3	Methyl chloride	20	21.6	108	23.5	118	8	39-150/28
75-09-2	Methylene chloride	20	18.1	91	19.8	99	9	67-128/18
100-42-5	Styrene	20	19.9	100	19.6	98	2	72-134/16
71-55-6	1,1,1-Trichloroethane	20	21.9	110	25.0	125	13	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	17.3	87	17.5	88	1	77-129/17
79-00-5	1,1,2-Trichloroethane	20	19.4	97	18.9	95	3	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	18.5	93	16.2	81	13	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	19.0	95	18.5	93	3	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	18.9	95	18.6	93	2	77-129/17
127-18-4	Tetrachloroethylene	20	17.6	88	18.6	93	6	69-127/20
108-88-3	Toluene	20	19.6	98	19.0	95	3	75-122/17
79-01-6	Trichloroethylene	20	19.6	98	20.2	101	3	78-123/17
75-69-4	Trichlorofluoromethane	20	22.1	111	23.3	117	5	65-136/23
75-01-4	Vinyl chloride	20	20.2	101	21.6	108	7	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C34484
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1666-BS	W46295.D	1	06/13/14	BD	n/a	n/a	VW1666
VW1666-BSD	W46296.D	1	06/13/14	BD	n/a	n/a	VW1666

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34484-1, C34484-2, C34484-3, C34484-4, C34484-5, C34484-6, C34484-7, C34484-8, C34484-9, C34484-10, C34484-11, C34484-12, C34484-13, C34484-14, C34484-15, C34484-16, C34484-17

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	38.8	97	37.7	94	3	76-125/17
95-47-6	o-Xylene	20	19.6	98	19.1	96	3	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	128%	141%* [a]	70-130%
2037-26-5	Toluene-D8	118%	112%	70-130%
460-00-4	4-Bromofluorobenzene	121%	112%	70-130%

(a) Outside laboratory control limits.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C34484
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1669-BS	W46374.D	1	06/18/14	RD	n/a	n/a	VW1669
VW1669-BSD	W46375.D	1	06/18/14	RD	n/a	n/a	VW1669

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34484-18, C34484-19

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	19.2	96	19.4	97	1	77-122/25
108-90-7	Chlorobenzene	20	20.8	104	20.9	105	0	77-122/16
75-00-3	Chloroethane	20	18.9	95	19.9	100	5	69-133/18
67-66-3	Chloroform	20	19.2	96	19.7	99	3	74-126/17
56-23-5	Carbon tetrachloride	20	20.6	103	20.0	100	3	71-133/19
75-34-3	1,1-Dichloroethane	20	18.4	92	18.9	95	3	71-125/17
75-35-4	1,1-Dichloroethylene	20	18.9	95	18.8	94	1	66-125/20
106-93-4	1,2-Dibromoethane	20	19.9	100	20.1	101	1	75-135/17
107-06-2	1,2-Dichloroethane	20	19.6	98	19.6	98	0	71-131/17
78-87-5	1,2-Dichloropropane	20	19.1	96	19.4	97	2	78-124/16
75-71-8	Dichlorodifluoromethane	20	22.4	112	24.4	122	9	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	18.6	93	18.8	94	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	20.6	103	20.6	103	0	72-130/16
541-73-1	m-Dichlorobenzene	20	20.5	103	20.5	103	0	75-124/16
95-50-1	o-Dichlorobenzene	20	20.5	103	20.4	102	0	76-124/16
106-46-7	p-Dichlorobenzene	20	19.6	98	19.6	98	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	19.6	98	19.7	99	1	71-126/16
100-41-4	Ethylbenzene	20	20.0	100	20.2	101	1	76-126/17
76-13-1	Freon 113	20	20.4	102	19.6	98	4	60-145/25
87-68-3	Hexachlorobutadiene	20	20.2	101	20.2	101	0	69-135/20
67-63-0	Isopropyl Alcohol	400	406	102	401	100	1	70-130/20
74-83-9	Methyl bromide	20	19.3	97	19.7	99	2	68-132/18
74-87-3	Methyl chloride	20	19.9	100	20.7	104	4	39-150/28
75-09-2	Methylene chloride	20	17.3	87	17.6	88	2	67-128/18
100-42-5	Styrene	20	20.7	104	21.0	105	1	72-134/16
71-55-6	1,1,1-Trichloroethane	20	19.7	99	19.9	100	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	19.5	98	19.4	97	1	77-129/17
79-00-5	1,1,2-Trichloroethane	20	19.8	99	19.7	99	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	20.2	101	20.0	100	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	20.1	101	20.0	100	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	21.0	105	21.1	106	0	77-129/17
127-18-4	Tetrachloroethylene	20	20.1	101	20.1	101	0	69-127/20
108-88-3	Toluene	20	20.1	101	20.5	103	2	75-122/17
79-01-6	Trichloroethylene	20	20.0	100	20.2	101	1	78-123/17
75-69-4	Trichlorofluoromethane	20	20.3	102	22.2	111	9	65-136/23
75-01-4	Vinyl chloride	20	19.2	96	20.9	105	8	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C34484
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1669-BS	W46374.D	1	06/18/14	RD	n/a	n/a	VW1669
VW1669-BSD	W46375.D	1	06/18/14	RD	n/a	n/a	VW1669

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34484-18, C34484-19

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	41.5	104	1	76-125/17
95-47-6	o-Xylene	20	21.2	106	21.4	107	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	100%	103%	70-130%
2037-26-5	Toluene-D8	102%	103%	70-130%
460-00-4	4-Bromofluorobenzene	101%	101%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C34484
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C34484-8MS	W46316.D	1	06/13/14	BD	n/a	n/a	VW1666
C34484-8MSD	W46317.D	1	06/13/14	BD	n/a	n/a	VW1666
C34484-8	W46299.D	1	06/13/14	BD	n/a	n/a	VW1666

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34484-1, C34484-2, C34484-3, C34484-4, C34484-5, C34484-6, C34484-7, C34484-8, C34484-9, C34484-10, C34484-11, C34484-12, C34484-13, C34484-14, C34484-15, C34484-16, C34484-17

CAS No.	Compound	C34484-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	18.6	93	20	18.9	95	2	77-122/16
108-90-7	Chlorobenzene	ND		20	18.3	92	20	18.2	91	1	77-122/16
75-00-3	Chloroethane	ND		20	19.2	96	20	19.4	97	1	69-133/18
67-66-3	Chloroform	ND		20	20.5	103	20	20.9	105	2	74-126/17
56-23-5	Carbon tetrachloride	ND		20	20.6	103	20	21.4	107	4	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	20.1	101	20	20.6	103	2	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	18.8	94	20	19.3	97	3	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	18.9	95	20	19.0	95	1	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	21.0	105	20	22.0	110	5	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	18.8	94	20	19.6	98	4	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	20.8	104	20	22.5	113	8	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	18.5	93	20	18.8	94	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	18.7	94	20	19.2	96	3	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	18.1	91	20	18.6	93	3	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	18.4	92	20	18.6	93	1	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	18.2	91	20	18.5	93	2	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	19.0	95	20	19.6	98	3	71-126/16
100-41-4	Ethylbenzene	ND		20	18.8	94	20	18.9	95	1	76-126/17
76-13-1	Freon 113	ND		20	20.0	100	20	20.9	105	4	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	18.1	91	20	17.9	90	1	69-135/20
67-63-0	Isopropyl Alcohol	17.1	J	400	504	122	400	537	130	6	70-130/20
74-83-9	Methyl bromide	ND		20	19.0	95	20	19.0	95	0	68-132/18
74-87-3	Methyl chloride	ND		20	21.4	107	20	21.3	107	0	39-150/28
75-09-2	Methylene chloride	ND		20	17.6	88	20	17.8	89	1	67-128/18
100-42-5	Styrene	ND		20	19.1	96	20	19.2	96	1	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	21.3	107	20	21.7	109	2	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	19.0	95	20	20.2	101	6	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	19.1	96	20	19.5	98	2	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	18.1	91	20	18.0	90	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	18.8	94	20	19.3	97	3	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	18.8	94	20	19.6	98	4	77-129/17
127-18-4	Tetrachloroethylene	ND		20	17.8	89	20	17.4	87	2	69-127/20
108-88-3	Toluene	ND		20	18.6	93	20	18.6	93	0	75-122/17
79-01-6	Trichloroethylene	ND		20	19.1	96	20	19.7	99	3	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	21.5	108	20	22.2	111	3	65-136/23
75-01-4	Vinyl chloride	ND		20	19.9	100	20	20.0	100	1	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C34484
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C34484-8MS	W46316.D	1	06/13/14	BD	n/a	n/a	VW1666
C34484-8MSD	W46317.D	1	06/13/14	BD	n/a	n/a	VW1666
C34484-8	W46299.D	1	06/13/14	BD	n/a	n/a	VW1666

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34484-1, C34484-2, C34484-3, C34484-4, C34484-5, C34484-6, C34484-7, C34484-8, C34484-9, C34484-10, C34484-11, C34484-12, C34484-13, C34484-14, C34484-15, C34484-16, C34484-17

CAS No.	Compound	C34484-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	37.2	93	40	37.1	93	0	76-125/17
95-47-6	o-Xylene	ND		20	18.9	95	20	18.8	94	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C34484-8	Limits
1868-53-7	Dibromofluoromethane	127%	126%	112%	70-130%
2037-26-5	Toluene-D8	112%	114%	114%	70-130%
460-00-4	4-Bromofluorobenzene	114%	116%	109%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C34484
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C34550-7MS	W46395.D	1	06/18/14	RD	n/a	n/a	VW1669
C34550-7MSD	W46396.D	1	06/18/14	RD	n/a	n/a	VW1669
C34550-7	W46394.D	1	06/18/14	RD	n/a	n/a	VW1669

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34484-18, C34484-19

CAS No.	Compound	C34550-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	1.0	U	20	18.8	94	20	19.5	98	4	77-122/16
108-90-7	Chlorobenzene	1.0	U	20	19.7	99	20	20.2	101	3	77-122/16
75-00-3	Chloroethane	1.0	U	20	19.5	98	20	20.6	103	5	69-133/18
67-66-3	Chloroform	1.0	U	20	19.8	99	20	20.6	103	4	74-126/17
56-23-5	Carbon tetrachloride	1.0	U	20	21.4	107	20	22.1	111	3	71-133/19
75-34-3	1,1-Dichloroethane	1.0	U	20	19.2	96	20	20.0	100	4	71-125/17
75-35-4	1,1-Dichloroethylene	1.0	U	20	19.5	98	20	20.2	101	4	66-125/20
106-93-4	1,2-Dibromoethane	1.0	U	20	19.1	96	20	19.7	99	3	75-135/17
107-06-2	1,2-Dichloroethane	1.0	U	20	20.1	101	20	20.9	105	4	71-131/17
78-87-5	1,2-Dichloropropane	1.0	U	20	18.8	94	20	19.6	98	4	78-124/16
75-71-8	Dichlorodifluoromethane	1.0	U	20	21.9	110	20	22.4	112	2	32-168/28
156-59-2	cis-1,2-Dichloroethylene	1.0	U	20	18.4	92	20	19.2	96	4	73-126/17
10061-01-5	cis-1,3-Dichloropropene	1.0	U	20	19.9	100	20	20.2	101	1	72-130/16
541-73-1	m-Dichlorobenzene	1.0	U	20	19.0	95	20	20.3	102	7	75-124/16
95-50-1	o-Dichlorobenzene	1.0	U	20	19.6	98	20	20.0	100	2	76-124/16
106-46-7	p-Dichlorobenzene	1.0	U	20	19.0	95	20	19.5	98	3	75-124/16
10061-02-6	trans-1,3-Dichloropropene	1.0	U	20	19.1	96	20	19.4	97	2	71-126/16
100-41-4	Ethylbenzene	1.0	U	20	19.7	99	20	20.4	102	3	76-126/17
76-13-1	Freon 113	2.0	U	20	19.4	97	20	19.7	99	2	60-145/25
87-68-3	Hexachlorobutadiene	2.0	U	20	18.9	95	20	19.3	97	2	69-135/20
67-63-0	Isopropyl Alcohol	100	U	400	407	102	400	442	111	8	70-130/20
74-83-9	Methyl bromide	2.0	U	20	19.0	95	20	19.9	100	5	68-132/18
74-87-3	Methyl chloride	1.0	U	20	21.3	107	20	22.6	113	6	39-150/28
75-09-2	Methylene chloride	10	U	20	17.0	85	20	17.9	90	5	67-128/18
100-42-5	Styrene	1.0	U	20	19.7	99	20	20.3	102	3	72-134/16
71-55-6	1,1,1-Trichloroethane	1.0	U	20	21.2	106	20	21.9	110	3	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	20	19.0	95	20	19.7	99	4	77-129/17
79-00-5	1,1,2-Trichloroethane	1.0	U	20	19.2	96	20	19.7	99	3	77-125/16
120-82-1	1,2,4-Trichlorobenzene	2.0	U	20	18.2	91	20	18.3	92	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	2.0	U	20	19.5	98	20	20.5	103	5	74-129/17
108-67-8	1,3,5-Trimethylbenzene	2.0	U	20	20.3	102	20	21.4	107	5	77-129/17
127-18-4	Tetrachloroethylene	1.0	U	20	19.2	96	20	19.6	98	2	69-127/20
108-88-3	Toluene	1.0	U	20	19.4	97	20	20.2	101	4	75-122/17
79-01-6	Trichloroethylene	1.0	U	20	19.9	100	20	20.5	103	3	78-123/17
75-69-4	Trichlorofluoromethane	1.0	U	20	20.8	104	20	21.4	107	3	65-136/23
75-01-4	Vinyl chloride	1.0	U	20	20.8	104	20	21.9	110	5	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C34484
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C34550-7MS	W46395.D	1	06/18/14	RD	n/a	n/a	VW1669
C34550-7MSD	W46396.D	1	06/18/14	RD	n/a	n/a	VW1669
C34550-7	W46394.D	1	06/18/14	RD	n/a	n/a	VW1669

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34484-18, C34484-19

CAS No.	Compound	C34550-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	1.0	U	40	39.4	99	40	41.1	103	4	76-125/17
95-47-6	o-Xylene	1.0	U	20	20.3	102	20	20.9	105	3	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C34550-7	Limits
1868-53-7	Dibromofluoromethane	105%	106%	106%	70-130%
2037-26-5	Toluene-D8	104%	103%	101%	70-130%
460-00-4	4-Bromofluorobenzene	105%	104%	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: C34484
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP6496/GN13808	3.0	0.0	ug/l	25	25.3	101.2	85-115%
Perchlorate	GP6518/GN13858	3.0	0.0	ug/l	25	24.6	98.4	85-115%
Specific Conductivity	GN13809	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP6496: C34484-1, C34484-2, C34484-3, C34484-4, C34484-5, C34484-6, C34484-7, C34484-8
Batch GP6518: C34484-9, C34484-10, C34484-11, C34484-12, C34484-13, C34484-14, C34484-15, C34484-16, C34484-17, C34484-18
Batch GN13809: C34484-1, C34484-2, C34484-3, C34484-4, C34484-5, C34484-6, C34484-7, C34484-8, C34484-9, C34484-10, C34484-11, C34484-12, C34484-13, C34484-14, C34484-15, C34484-16, C34484-17, C34484-18
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C34484
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP6496/GN13808	ug/l	25	25.4	0.4	
Perchlorate	GP6518/GN13858	ug/l	25	25.0	1.6	

Associated Samples:
Batch GP6496: C34484-1, C34484-2, C34484-3, C34484-4, C34484-5, C34484-6, C34484-7, C34484-8
Batch GP6518: C34484-9, C34484-10, C34484-11, C34484-12, C34484-13, C34484-14, C34484-15, C34484-16, C34484-17, C34484-18
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C34484
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN13809	C34484-9	umhos/cm	1500	1430	4.8	0-10%

Associated Samples:
Batch GN13809: C34484-1, C34484-2, C34484-3, C34484-4, C34484-5, C34484-6, C34484-7, C34484-8, C34484-9, C34484-10, C34484-11, C34484-12, C34484-13, C34484-14, C34484-15, C34484-16, C34484-17, C34484-18
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C34484
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP6496/GN13808	C34484-8	ug/l	0.31 U	25	19.5	78.0N(a)	80-120%
Perchlorate	GP6518/GN13858	C34484-18	ug/l	0.31 U	25	22.4	89.6	80-120%

Associated Samples:
Batch GP6496: C34484-1, C34484-2, C34484-3, C34484-4, C34484-5, C34484-6, C34484-7, C34484-8
Batch GP6518: C34484-9, C34484-10, C34484-11, C34484-12, C34484-13, C34484-14, C34484-15, C34484-16, C34484-17, C34484-18
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C34484
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP6496/GN13808	C34484-8	ug/l	0.31 U	25	18.8	3.7	15%
Perchlorate	GP6518/GN13858	C34484-18	ug/l	0.31 U	25	23.6	5.2	15%

Associated Samples:
Batch GP6496: C34484-1, C34484-2, C34484-3, C34484-4, C34484-5, C34484-6, C34484-7, C34484-8
Batch GP6518: C34484-9, C34484-10, C34484-11, C34484-12, C34484-13, C34484-14, C34484-15, C34484-16, C34484-17, C34484-18
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Appendix H
Laboratory Analytical Reports — Investigation-Derived Waste

Northern California
ACCUTEST
LABORATORIES

05/14/14

Technical Report for

United Technology Corporation

ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA

08888.14914

Accutest Job Number: C33589

Sampling Date: 04/16/14

Report to:

Ensafe
5724 Summer Trees Road
Memphis, TN 38134
jteves@ensafe.com; kharsh@envstd.com

ATTN: Josh Teves

Total number of pages in report: **47**

NELAP ACCREDITED TNI LABORATORY

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Elvin Kumar 408-588-0200

Certifications: OR (CA300006) CA (08258CA) AZ (AZ0762) DoD ELAP (L-A-B L2242)

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Test results relate only to samples analyzed.

Accutest Laboratories is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited.

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Accutest Laboratories

Sample Summary

United Technology Corporation

Job No: C33589

ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA
Project No: 08888.14914

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C33589-1	04/16/14	15:30	MO	04/17/14	SO	Soil	PW014V
C33589-2	04/16/14	15:00	MO	04/17/14	SO	Trip Blank Soil	STB

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C33589
Site:	ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bern	**Report Date**	4/23/2014 3:21:40 PM

1 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 04/16/2014 and were received at Accutest on 04/17/2014 properly preserved, at 4.9 Deg. C and intact. These Samples received an Accutest job number of C33589. 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: SO **Batch ID:** VM1378

- Sample(s) C33635-1MS, C33635-1MSD were used as the QC samples indicated.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for 1,1,2,2-Tetrachloroethane, 1,1-Dichloroethylene, Freon 113 are outside control limits. Probable cause due to matrix interference.

Extractables by GCMS By Method SW846 6850

Matrix: SO **Batch ID:** F:OP51334

- Analysis performed at Accutest Laboratories, Orlando FL. Refer to subcontract narrative for details.

Metals By Method SW846 6010B

Matrix: SO **Batch ID:** MP7697

- Sample(s) C33526-1MS, C33526-1MSD, C33526-1SDL were used as the QC samples for metals.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Antimony, Barium, Selenium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- RPD(s) for Serial Dilution for Selenium, Thallium are outside control limits for sample MP7697-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- RPD(s) for Serial Dilution for Arsenic, Barium, Chromium, Cobalt, Copper, Lead, Molybdenum, Vanadium, Zinc are outside control limits for sample MP7697-SD1. Serial dilution indicates possible matrix interference.

Metals By Method SW846 7471A

Matrix: SO **Batch ID:** MP7715

- Sample(s) C33559-1MS, C33559-1MSD were used as the QC samples for metals.

Wet Chemistry By Method EPA 120.1 M

Matrix: SO **Batch ID:** F:GN61142

- Analysis performed at Accutest Laboratories, Orlando FL. Refer to subcontract narrative for details.

Wet Chemistry By Method SM18 2540G

Matrix: SO **Batch ID:** GN13374

- Sample(s) C33502-1ADUP were used as the QC samples for Moisture, Percent.

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

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Accutest Northern California, Inc. **Job No:** C33589

Site: UTCCASJ: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San **Report Date** 4/23/2014 6:40:07 PM

1 Sample was collected on 04/16/2014 and was received at Accutest SE on 04/18/2014 properly preserved, at 3.6 Deg. C and intact. This Sample received an Accutest job number of C33589. 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.

Extractables by GCMS By Method SW846 6850

Matrix: SO **Batch ID:** OP51334

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) C33589-1MS, C33589-1MSD were used as the QC samples indicated.

Matrix Spike Duplicate Recovery(s) for Perchlorate are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

Wet Chemistry By Method EPA 120.1 M

Matrix: SO **Batch ID:** GN61142

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) C33589-1DUP was used as the QC samples for Specific Conductivity.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: April 23, 2014

Lovelie Metzgar, QA Officer (signature on file)

Summary of Hits

Job Number: C33589
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA
Collected: 04/16/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C33589-1	**PW014V**					
Antimony		0.10 J	1.8	0.080	mg/kg	SW846 6010B
Arsenic		0.69 J	1.8	0.065	mg/kg	SW846 6010B
Barium		32.7	18	0.032	mg/kg	SW846 6010B
Chromium		8.0	0.92	0.050	mg/kg	SW846 6010B
Cobalt		2.5	0.92	0.020	mg/kg	SW846 6010B
Copper		7.6	2.3	0.17	mg/kg	SW846 6010B
Lead		2.4	1.8	0.050	mg/kg	SW846 6010B
Molybdenum		0.22 J	1.8	0.022	mg/kg	SW846 6010B
Nickel		5.9	0.92	0.022	mg/kg	SW846 6010B
Selenium		0.87 J	1.8	0.22	mg/kg	SW846 6010B
Vanadium		18.7	0.92	0.023	mg/kg	SW846 6010B
Zinc		18.8	1.8	0.091	mg/kg	SW846 6010B
Specific Conductivity [a]		214	1.0	1.0	umhos/cm	EPA 120.1 M
C33589-2	**STB**					

No hits reported in this sample.

(a) Analysis performed at Accutest Laboratories, Orlando FL.

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	PW014V		
Lab Sample ID:	C33589-1	**Date Sampled:**	04/16/14
Matrix:	SO - Soil	**Date Received:**	04/17/14
Method:	SW846 8260B	**Percent Solids:**	94.9
Project:	ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M45689.D	1	04/18/14	XB	n/a	n/a	VM1378
Run #2							

	Initial Weight
Run #1	4.47 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.9	0.59	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	0.59	ug/kg	
75-00-3	Chloroethane	ND	5.9	1.2	ug/kg	
67-66-3	Chloroform	ND	5.9	0.59	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	0.59	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	0.59	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.9	0.59	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.9	0.59	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.9	0.59	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	0.59	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.9	1.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.9	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	0.59	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.9	0.59	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.9	0.59	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.9	0.59	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	0.59	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	0.59	ug/kg	
76-13-1	Freon 113	ND	5.9	0.59	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.9	1.2	ug/kg	
67-63-0	Isopropyl Alcohol	ND	59	29	ug/kg	
74-83-9	Methyl bromide	ND	5.9	1.2	ug/kg	
74-87-3	Methyl chloride	ND	5.9	1.2	ug/kg	
75-09-2	Methylene chloride	ND	24	5.9	ug/kg	
100-42-5	Styrene	ND	5.9	0.59	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	0.59	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	0.59	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	0.59	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	0.59	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.9	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.9	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.9	0.71	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW014V		
Lab Sample ID:	C33589-1	**Date Sampled:**	04/16/14
Matrix:	SO - Soil	**Date Received:**	04/17/14
Method:	SW846 8260B	**Percent Solids:**	94.9
Project:	ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	5.9	0.59	ug/kg	
79-01-6	Trichloroethylene	ND	5.9	0.59	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.9	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	1.2	ug/kg	
	m,p-Xylene	ND	5.9	0.59	ug/kg	
95-47-6	o-Xylene	ND	5.9	0.59	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		70-130%
2037-26-5	Toluene-D8	110%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW014V		
Lab Sample ID:	C33589-1	**Date Sampled:**	04/16/14
Matrix:	SO - Soil	**Date Received:**	04/17/14
Method:	SW846 6850 SW846 6850	**Percent Solids:**	94.9
Project:	ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	Q4875.D	1	04/23/14	AFL	04/22/14	F:OP51334	F:SQ157
Run #2							

	Initial Weight	Final Volume
Run #1	1.05 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
14797-73-0	Perchlorate	ND	2.0	0.55	ug/kg	

(a) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PW014V
Lab Sample ID: C33589-1
Matrix: SO - Soil
Date Sampled: 04/16/14
Date Received: 04/17/14
Percent Solids: 94.9
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	0.10 J	1.8	0.080	mg/kg	1	04/17/14	04/17/14	RS	SW846 6010B [1]	SW846 3050B [3]
Arsenic	0.69 J	1.8	0.065	mg/kg	1	04/17/14	04/17/14	RS	SW846 6010B [1]	SW846 3050B [3]
Barium	32.7	18	0.032	mg/kg	1	04/17/14	04/17/14	RS	SW846 6010B [1]	SW846 3050B [3]
Beryllium	0.011 U	0.92	0.011	mg/kg	1	04/17/14	04/17/14	RS	SW846 6010B [1]	SW846 3050B [3]
Cadmium	0.014 U	0.92	0.014	mg/kg	1	04/17/14	04/17/14	RS	SW846 6010B [1]	SW846 3050B [3]
Chromium	8.0	0.92	0.050	mg/kg	1	04/17/14	04/17/14	RS	SW846 6010B [1]	SW846 3050B [3]
Cobalt	2.5	0.92	0.020	mg/kg	1	04/17/14	04/17/14	RS	SW846 6010B [1]	SW846 3050B [3]
Copper	7.6	2.3	0.17	mg/kg	1	04/17/14	04/17/14	RS	SW846 6010B [1]	SW846 3050B [3]
Lead	2.4	1.8	0.050	mg/kg	1	04/17/14	04/17/14	RS	SW846 6010B [1]	SW846 3050B [3]
Mercury	0.0040 U	0.038	0.0040	mg/kg	1	04/17/14	04/18/14	EB	SW846 7471A [2]	SW846 7471A [4]
Molybdenum	0.22 J	1.8	0.022	mg/kg	1	04/17/14	04/17/14	RS	SW846 6010B [1]	SW846 3050B [3]
Nickel	5.9	0.92	0.022	mg/kg	1	04/17/14	04/17/14	RS	SW846 6010B [1]	SW846 3050B [3]
Selenium	0.87 J	1.8	0.22	mg/kg	1	04/17/14	04/17/14	RS	SW846 6010B [1]	SW846 3050B [3]
Silver	0.041 U	0.92	0.041	mg/kg	1	04/17/14	04/17/14	RS	SW846 6010B [1]	SW846 3050B [3]
Thallium	0.067 U	1.8	0.067	mg/kg	1	04/17/14	04/17/14	RS	SW846 6010B [1]	SW846 3050B [3]
Vanadium	18.7	0.92	0.023	mg/kg	1	04/17/14	04/17/14	RS	SW846 6010B [1]	SW846 3050B [3]
Zinc	18.8	1.8	0.091	mg/kg	1	04/17/14	04/17/14	RS	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA3898
(2) Instrument QC Batch: MA3900
(3) Prep QC Batch: MP7697
(4) Prep QC Batch: MP7715

RL = Reporting Limit
MDL = Method Detection Limit
U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW014V		
Lab Sample ID:	C33589-1	**Date Sampled:**	04/16/14
Matrix:	SO - Soil	**Date Received:**	04/17/14
		Percent Solids:	94.9
Project:	ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Moisture, Percent	5.1			%	1	04/18/14	DO	SM18 2540G
Specific Conductivity [a]	214	1.0	1.0	umhos/cm	1	04/22/14 16:05	AFL	EPA 120.1 M

(a) Analysis performed at Accutest Laboratories, Orlando FL.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	STB		
Lab Sample ID:	C33589-2	**Date Sampled:**	04/16/14
Matrix:	SO - Trip Blank Soil	**Date Received:**	04/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M45691.D	1	04/18/14	XB	n/a	n/a	VM1378
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.50	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.0	ug/kg	
67-66-3	Chloroform	ND	5.0	0.50	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.50	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	0.50	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	0.50	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	0.50	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	0.50	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg	
76-13-1	Freon 113	ND	5.0	0.50	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.0	ug/kg	
67-63-0	Isopropyl Alcohol	ND	50	25	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	1.0	ug/kg	
75-09-2	Methylene chloride	ND	20	5.0	ug/kg	
100-42-5	Styrene	ND	5.0	0.50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.50	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	0.60	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	STB		
Lab Sample ID:	C33589-2	**Date Sampled:**	04/16/14
Matrix:	SO - Trip Blank Soil	**Date Received:**	04/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	0.50	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.0	ug/kg	
	m,p-Xylene	ND	5.0	0.50	ug/kg	
95-47-6	o-Xylene	ND	5.0	0.50	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	116%		70-130%
2037-26-5	Toluene-D8	109%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range 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

CHAIN OF CUSTODY

ACCUTEST LABORATORIES
2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking # 8020 0829 6392 | Bottle Order Control #
Accutest Quote # | Accutest NC Job #: C C33589

Client / Reporting Information

Company Name: ENSAFE
Address: 2151 SALVIO STREET, SUITE 301
City: CONCORD State: CA Zip: 94520
Project Contact: JOSH TEVES
Phone #: 925 305 2109
Samplers's Name: MIGUEL OVIEDO

Project Information

Project Name: RFF
Street: 2625 MILL STREET
City: SAN BERNARDINO State: CA
Project #: [illegible] 14914
EMAIL: JTEVES@ENSAFE.COM
Client Purchase Order #

Requested Analysis

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MeOH	ENCORE	VOCs - RIALTO LIST by 8260	PERCHLORATE by 6850	CAM 17 METALS	MOISTURE
-1	PW014V	04/16/14	1530	MO	SOIL	6							1		X	X	X	X
-2	STB	↓	1500	—	—	4							1		X			X

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI-Oil; WP-Wipe; LIQ - Non-aqueous Liquid; AIR; DW- Drinking Water (Perchlorate Only)

LAB USE ONLY

3 DAYS

Turnaround Time (Business days)

Approved By:/ Date:
- [ ] 10 Day
- [ ] 5 Day
- [x] 3 Day 3DAY MAO
- [ ] 2 Day
- [ ] 1 Day
- [ ] Same Day

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:

Comments / Remarks

* CUSTODY SEAL INTACT

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	MIGUEL OVIEDO	04-16-14/1800	FEDEX	2 FEDEX	4/17/14 1056	2 [signature]
3			3	4		4
5			5	Custody Seal # INTACT	Appropriate Bottle / Pres. Y/N; Labels match Coc? Y / N	Headspace Y/N; Separate Receiving Check List used: Y / N; On Ice Y/N; Cooler Temp 4.9 °C

C33589: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C33589 **Client:** ENSAFE **Project:** RFF

Date / Time Received: 4/17/2014 **Delivery Method:** FedEx **Airbill #'s:** 8020 0829 6340

Cooler Temps (Initial/Adjusted): #1: (4.9/4.9);

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	IR1;	
3. Cooler media:	Ice (Bag)	
4. No. Coolers:	1	

Quality Control Preservation	Y	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	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	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

C33589: 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: C33589
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1378-MB	M45688.D	1	04/18/14	XB	n/a	n/a	VM1378

The QC reported here applies to the following samples: **Method:** SW846 8260B

C33589-1, C33589-2

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.50	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.0	ug/kg	
67-66-3	Chloroform	ND	5.0	0.50	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.50	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	0.50	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	0.50	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	0.50	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	0.50	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg	
76-13-1	Freon 113	ND	5.0	0.50	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.0	ug/kg	
67-63-0	Isopropyl Alcohol	ND	50	25	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	1.0	ug/kg	
75-09-2	Methylene chloride	ND	20	5.0	ug/kg	
100-42-5	Styrene	ND	5.0	0.50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.50	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	0.60	ug/kg	
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	0.50	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.0	ug/kg	

Method Blank Summary

Job Number: C33589
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1378-MB	M45688.D	1	04/18/14	XB	n/a	n/a	VM1378

The QC reported here applies to the following samples: **Method:** SW846 8260B

C33589-1, C33589-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	5.0	0.50	ug/kg	
95-47-6	o-Xylene	ND	5.0	0.50	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	70-130%
2037-26-5	Toluene-D8	112%	70-130%
460-00-4	4-Bromofluorobenzene	105%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C33589
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1378-BS	M45685.D	1	04/18/14	XB	n/a	n/a	VM1378
VM1378-BSD	M45686.D	1	04/18/14	XB	n/a	n/a	VM1378

The QC reported here applies to the following samples: **Method:** SW846 8260B

C33589-1, C33589-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	40	40.1	100	40.9	102	2	81-119/20
108-90-7	Chlorobenzene	40	40.7	102	41.1	103	1	82-121/20
75-00-3	Chloroethane	40	42.0	105	42.5	106	1	80-126/21
67-66-3	Chloroform	40	41.2	103	42.8	107	4	82-123/20
56-23-5	Carbon tetrachloride	40	38.8	97	39.0	98	1	82-127/22
75-34-3	1,1-Dichloroethane	40	41.9	105	42.7	107	2	80-123/20
75-35-4	1,1-Dichloroethylene	40	41.6	104	42.4	106	2	76-123/19
106-93-4	1,2-Dibromoethane	40	40.5	101	40.9	102	1	80-120/20
107-06-2	1,2-Dichloroethane	40	40.8	102	41.3	103	1	76-132/21
78-87-5	1,2-Dichloropropane	40	42.2	106	43.4	109	3	80-121/20
75-71-8	Dichlorodifluoromethane	40	22.7	57	22.4	56	1	51-135/23
156-59-2	cis-1,2-Dichloroethylene	40	41.2	103	42.5	106	3	79-123/20
10061-01-5	cis-1,3-Dichloropropene	40	42.5	106	43.5	109	2	81-124/21
541-73-1	m-Dichlorobenzene	40	40.7	102	40.3	101	1	79-123/23
95-50-1	o-Dichlorobenzene	40	40.8	102	41.0	103	0	79-124/22
106-46-7	p-Dichlorobenzene	40	38.5	96	39.0	98	1	79-123/22
10061-02-6	trans-1,3-Dichloropropene	40	40.0	100	40.2	101	0	81-123/22
100-41-4	Ethylbenzene	40	39.1	98	40.0	100	2	80-119/21
76-13-1	Freon 113	40	38.9	97	40.1	100	3	79-127/20
87-68-3	Hexachlorobutadiene	40	38.6	97	38.3	96	1	81-126/32
67-63-0	Isopropyl Alcohol	400	440	110	454	114	3	70-130/30
74-83-9	Methyl bromide	40	38.7	97	39.2	98	1	82-124/20
74-87-3	Methyl chloride	40	29.6	74	29.3	73	1	60-132/26
75-09-2	Methylene chloride	40	43.7	109	44.7	112	2	75-119/20
100-42-5	Styrene	40	39.1	98	40.1	100	3	83-122/21
71-55-6	1,1,1-Trichloroethane	40	40.2	101	40.8	102	1	79-129/21
79-34-5	1,1,2,2-Tetrachloroethane	40	41.2	103	42.4	106	3	77-126/20
79-00-5	1,1,2-Trichloroethane	40	40.4	101	41.0	103	1	79-123/20
120-82-1	1,2,4-Trichlorobenzene	40	38.5	96	39.4	99	2	81-121/26
95-63-6	1,2,4-Trimethylbenzene	40	39.8	100	39.6	99	1	82-121/24
108-67-8	1,3,5-Trimethylbenzene	40	40.7	102	41.6	104	2	81-123/23
127-18-4	Tetrachloroethylene	40	37.6	94	38.6	97	3	80-125/25
108-88-3	Toluene	40	39.4	99	40.4	101	3	80-117/21
79-01-6	Trichloroethylene	40	39.0	98	39.6	99	2	81-122/20
75-69-4	Trichlorofluoromethane	40	38.7	97	38.3	96	1	77-133/22
75-01-4	Vinyl chloride	40	36.4	91	36.3	91	0	71-133/23

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C33589
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1378-BS	M45685.D	1	04/18/14	XB	n/a	n/a	VM1378
VM1378-BSD	M45686.D	1	04/18/14	XB	n/a	n/a	VM1378

The QC reported here applies to the following samples: **Method:** SW846 8260B

C33589-1, C33589-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	80	78.7	98	81.1	101	3	80-123/21
95-47-6	o-Xylene	40	40.3	101	41.2	103	2	81-121/22

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	109%	109%	70-130%
2037-26-5	Toluene-D8	107%	106%	70-130%
460-00-4	4-Bromofluorobenzene	105%	105%	70-130%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C33589
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1378-LCS	M45687.D	1	04/18/14	XB	n/a	n/a	VM1378

The QC reported here applies to the following samples: **Method:** SW846 8260B

C33589-1, C33589-2

CAS No.	Compound	Spike ug/kg	LCS ug/kg	LCS %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	70-130%
2037-26-5	Toluene-D8	110%	70-130%
460-00-4	4-Bromofluorobenzene	104%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C33589
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C33635-1MS	M45693.D	1	04/18/14	XB	n/a	n/a	VM1378
C33635-1MSD	M45694.D	1	04/18/14	XB	n/a	n/a	VM1378
C33635-1	M45690.D	1	04/18/14	XB	n/a	n/a	VM1378

The QC reported here applies to the following samples: **Method:** SW846 8260B

C33589-1, C33589-2

CAS No.	Compound	C33635-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	4.9	U	39.3	35.4	90	40	35.0	88	1	81-119/20
108-90-7	Chlorobenzene	4.9	U	39.3	36.5	93	40	37.1	93	2	82-121/20
75-00-3	Chloroethane	4.9	U	39.3	41.8	106	40	42.8	107	2	80-126/21
67-66-3	Chloroform	4.9	U	39.3	40.6	103	40	39.6	99	2	82-123/20
56-23-5	Carbon tetrachloride	4.9	U	39.3	34.6	88	40	32.6	82	6	82-127/22
75-34-3	1,1-Dichloroethane	4.9	U	39.3	34.4	88	40	34.8	87	1	80-123/20
75-35-4	1,1-Dichloroethylene	4.9	U	39.3	17.1	44* [a]	40	16.8	42* [a]	2	76-123/19
106-93-4	1,2-Dibromoethane	4.9	U	39.3	44.8	114	40	47.3	118	5	80-120/20
107-06-2	1,2-Dichloroethane	4.9	U	39.3	44.8	114	40	43.6	109	3	76-132/21
78-87-5	1,2-Dichloropropane	4.9	U	39.3	39.1	100	40	40.2	101	3	80-121/20
75-71-8	Dichlorodifluoromethane	4.9	U	39.3	35.4	90	40	34.2	86	3	51-135/23
156-59-2	cis-1,2-Dichloroethylene	4.9	U	39.3	36.8	94	40	36.7	92	0	79-123/20
10061-01-5	cis-1,3-Dichloropropene	4.9	U	39.3	42.5	108	40	41.7	104	2	81-124/21
541-73-1	m-Dichlorobenzene	4.9	U	39.3	36.3	92	40	37.4	94	3	79-123/23
95-50-1	o-Dichlorobenzene	4.9	U	39.3	38.1	97	40	38.9	97	2	79-124/22
106-46-7	p-Dichlorobenzene	4.9	U	39.3	39.1	100	40	39.7	99	2	79-123/22
10061-02-6	trans-1,3-Dichloropropene	4.9	U	39.3	42.9	109	40	43.8	110	2	81-123/22
100-41-4	Ethylbenzene	4.9	U	39.3	39.9	102	40	40.5	101	1	80-119/21
76-13-1	Freon 113	4.9	U	39.3	14.2	36* [a]	40	13.7	34* [a]	4	79-127/20
87-68-3	Hexachlorobutadiene	4.9	U	39.3	33.5	85	40	33.3	83	1	81-126/32
67-63-0	Isopropyl Alcohol	49	U	786	831	106	800	882	110	6	70-130/30
74-83-9	Methyl bromide	4.9	U	39.3	36.5	93	40	37.6	94	3	82-124/20
74-87-3	Methyl chloride	4.9	U	39.3	33.6	86	40	34.7	87	3	60-132/26
75-09-2	Methylene chloride	20	U	39.3	33.6	86	40	34.4	86	2	75-119/20
100-42-5	Styrene	4.9	U	39.3	39.1	100	40	40.2	101	3	83-122/21
71-55-6	1,1,1-Trichloroethane	4.9	U	39.3	36.4	93	40	35.4	89	3	79-129/21
79-34-5	1,1,2,2-Tetrachloroethane	4.9	U	39.3	53.5	136* [a]	40	57.2	143* [a]	7	77-126/20
79-00-5	1,1,2-Trichloroethane	4.9	U	39.3	45.5	116	40	47.6	119	5	79-123/20
120-82-1	1,2,4-Trichlorobenzene	4.9	U	39.3	35.6	91	40	35.8	90	1	81-121/26
95-63-6	1,2,4-Trimethylbenzene	4.9	U	39.3	41.5	106	40	42.1	105	1	82-121/24
108-67-8	1,3,5-Trimethylbenzene	4.9	U	39.3	41.8	106	40	42.5	106	2	81-123/23
127-18-4	Tetrachloroethylene	4.9	U	39.3	37.4	95	40	39.4	99	5	80-125/25
108-88-3	Toluene	4.9	U	39.3	38.9	99	40	39.5	99	2	80-117/21
79-01-6	Trichloroethylene	4.9	U	39.3	34.9	89	40	34.7	87	1	81-122/20
75-69-4	Trichlorofluoromethane	4.9	U	39.3	43.2	110	40	42.6	107	1	77-133/22
75-01-4	Vinyl chloride	4.9	U	39.3	39.4	100	40	40.1	100	2	71-133/23

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C33589
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C33635-1MS	M45693.D	1	04/18/14	XB	n/a	n/a	VM1378
C33635-1MSD	M45694.D	1	04/18/14	XB	n/a	n/a	VM1378
C33635-1	M45690.D	1	04/18/14	XB	n/a	n/a	VM1378

The QC reported here applies to the following samples: **Method:** SW846 8260B

C33589-1, C33589-2

CAS No.	Compound	C33635-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	4.9	U	78.6	74.5	95	80	75.7	95	2	80-123/21
95-47-6	o-Xylene	4.9	U	39.3	37.0	94	40	37.4	94	1	81-121/22

CAS No.	Surrogate Recoveries	MS	MSD	C33635-1	Limits
1868-53-7	Dibromofluoromethane	115%	112%	112%	70-130%
2037-26-5	Toluene-D8	109%	111%	113%	70-130%
460-00-4	4-Bromofluorobenzene	105%	105%	102%	70-130%

(a) Outside control limits due to matrix interference.

* = 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: C33589
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

QC Batch ID: MP7697
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 04/17/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.3	2		
Antimony	2.0	.07	.087	0.050	<2.0
Arsenic	2.0	.07	.07	-0.21	<2.0
Barium	20	.04	.035	0.18	<20
Beryllium	1.0	.02	.012	-0.010	<1.0
Boron	10	.09	.2		
Cadmium	1.0	.02	.015	0.12	<1.0
Calcium	500	.71	7.6		
Chromium	1.0	.03	.054	-0.13	<1.0
Cobalt	1.0	.02	.022	0.040	<1.0
Copper	2.5	.12	.19	0.54	<2.5
Iron	20	.64	1.6		
Lead	2.0	.07	.054	-0.040	<2.0
Magnesium	500	2.7	1.5		
Manganese	1.5	.01	.054		
Molybdenum	2.0	.02	.024	0.0	<2.0
Nickel	1.0	.02	.024	-0.050	<1.0
Potassium	1000	1.8	1.3		
Selenium	2.0	.18	.23	0.11	<2.0
Silicon		.12			
Silver	1.0	.03	.044	0.050	<1.0
Sodium	1000	1.5	4.8		
Strontium	1.0	.02	.017		
Thallium	2.0	.05	.073	-0.070	<2.0
Tin	50	.02	.41		
Titanium	1.0	.04	.079		
Vanadium	1.0	.03	.025	-0.010	<1.0
Zinc	2.0	.03	.098	0.21	<2.0

Associated samples MP7697: C33589-1

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: C33589
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

QC Batch ID: MP7697
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 04/17/14

Metal	C33526-1 Original	MS	Spikelot MPIR5	% Rec	QC Limits
Aluminum					
Antimony	0.78	17.7	41.7	40.6N(a)	75-125
Arsenic	4.3	39.0	41.7	83.3	75-125
Barium	127	150	41.7	55.2N(a)	75-125
Beryllium	0.0	34.0	41.7	81.6	75-125
Boron					
Cadmium	0.0	35.3	41.7	84.7	75-125
Calcium					
Chromium	11.6	46.7	41.7	84.2	75-125
Cobalt	3.2	37.2	41.7	81.6	75-125
Copper	10.1	45.7	41.7	85.4	75-125
Iron					
Lead	6.5	42.3	41.7	85.9	75-125
Magnesium					
Manganese					
Molybdenum	1.0	33.8	41.7	78.7	75-125
Nickel	4.5	42.3	41.7	90.7	75-125
Potassium					
Selenium	1.0	29.6	41.7	68.6N(a)	75-125
Silicon					
Silver	0.0	34.0	41.7	81.6	75-125
Sodium					
Strontium					
Thallium	0.071	34.6	41.7	82.9	75-125
Tin					
Titanium					
Vanadium	31.9	67.5	41.7	85.4	75-125
Zinc	28.5	64.0	41.7	85.2	75-125

Associated samples MP7697: C33589-1

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
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C33589
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

QC Batch ID: MP7697
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 04/17/14

Metal	C33526-1 Original	MSD	Spikelot MPIR5	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	0.78	19.0	42.4	43.0N(a)	7.1	20
Arsenic	4.3	38.8	42.4	81.4	0.5	20
Barium	127	158	42.4	73.2N(a)	5.2	20
Beryllium	0.0	35.5	42.4	83.8	4.3	20
Boron						
Cadmium	0.0	36.9	42.4	87.1	4.4	20
Calcium						
Chromium	11.6	48.2	42.4	86.4	3.2	20
Cobalt	3.2	37.8	42.4	81.7	1.6	20
Copper	10.1	48.0	42.4	89.4	4.9	20
Iron						
Lead	6.5	44.3	42.4	89.2	4.6	20
Magnesium						
Manganese						
Molybdenum	1.0	35.1	42.4	80.5	3.8	20
Nickel	4.5	43.0	42.4	90.9	1.6	20
Potassium						
Selenium	1.0	35.1	42.4	80.5	17.0	20
Silicon						
Silver	0.0	35.4	42.4	83.5	4.0	20
Sodium						
Strontium						
Thallium	0.071	37.9	42.4	89.3	9.1	20
Tin						
Titanium						
Vanadium	31.9	69.2	42.4	88.0	2.5	20
Zinc	28.5	62.5	42.4	80.2	2.4	20

Associated samples MP7697: C33589-1

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
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C33589
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

QC Batch ID: MP7697
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 04/17/14

Metal	BSP Result	Spikelot MPIR5	% Rec	QC Limits
Aluminum				
Antimony	43.4	50	86.8	80-120
Arsenic	46.5	50	93.0	80-120
Barium	45.8	50	91.6	80-120
Beryllium	46.6	50	93.2	80-120
Boron				
Cadmium	45.1	50	90.2	80-120
Calcium				
Chromium	47.6	50	95.2	80-120
Cobalt	46.7	50	93.4	80-120
Copper	46.2	50	92.4	80-120
Iron				
Lead	44.5	50	89.0	80-120
Magnesium				
Manganese				
Molybdenum	45.5	50	91.0	80-120
Nickel	44.8	50	89.6	80-120
Potassium				
Selenium	43.9	50	87.8	80-120
Silicon				
Silver	43.1	50	86.2	80-120
Sodium				
Strontium				
Thallium	45.4	50	90.8	80-120
Tin				
Titanium				
Vanadium	46.8	50	93.6	80-120
Zinc	47.7	50	95.4	80-120

Associated samples MP7697: C33589-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: C33589
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

QC Batch ID: MP7697
Matrix Type: SOLID

Methods: SW846 6010B
Units: ug/l

Prep Date: 04/17/14

Metal	C33526-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	8.70	8.80	1.1	0-10
Arsenic	48.5	58.1	19.8*(a)	0-10
Barium	1430	1810	26.7*(a)	0-10
Beryllium	0.00	0.00	NC	0-10
Boron				
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	130	166	27.2*(a)	0-10
Cobalt	35.3	39.8	12.7*(a)	0-10
Copper	113	142	25.1*(a)	0-10
Iron				
Lead	72.4	79.7	10.1*(a)	0-10
Magnesium				
Manganese				
Molybdenum	11.3	12.5	10.6*(a)	0-10
Nickel	50.7	46.1	9.1	0-10
Potassium				
Selenium	11.4	13.8	21.1 (b)	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium	0.800	5.70	612.5(b)	0-10
Tin				
Titanium				
Vanadium	357	449	25.7*(a)	0-10
Zinc	319	384	20.4*(a)	0-10

Associated samples MP7697: C33589-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.
(b) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: C33589
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

QC Batch ID: MP7715 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 04/17/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.042	.00035	.0043	0.0046	<0.042

Associated samples MP7715: C33589-1

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: C33589
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

QC Batch ID: MP7715 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 04/17/14

Metal	C33559-1 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.022	0.33	0.313	98.6	75-125

Associated samples MP7715: C33589-1

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

7.2.2

7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C33589
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

QC Batch ID: MP7715 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 04/17/14

Metal	C33559-1 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.022	0.36	0.308	109.9	8.7	20

Associated samples MP7715: C33589-1

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

7.2.2

7

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C33589
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

QC Batch ID: MP7715 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 04/17/14

Metal	BSP Result	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.15	0.167	90.0	80-120

Associated samples MP7715: C33589-1

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

Misc. Forms

Custody Documents and Other Forms

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES

Accutest ID and PO#: C33589

2105 Lundy Avenue, San Jose, CA 95131 Phone :(408)588-0200 Fax: (408)588-0201

Subcontract Chain of Custody

Subcontract Lab: Accutest Laboratories Southeast
Date Sent: 04/17/14
Date Due: 04/22/14

Project Name: UTCCASJ5836
Project Location:

Accutest Lab Number	Customer Sample Name/Field Point ID	Matrix	Method	Collect Date	Collect Time
C33589-1	PW014V	SO	**Perchlorate (6850)** RL=2.0µg/kg & MDL=0.40 µg/kg	04/16/14	15:30

Note: Report to MDL (Perchlorate by 6850)

Comments: 1 x 4oz Jar

Relinquished By: *Maureen C.*	Received By: FedEx	Date: 04/17/14 Time: 15:00
Relinquished By: FedEx	Received By: J. Cooper (Alst)	Date: 4-18-14 Time: 09:30
Relinquished By:	Received By:	Date: Time:

3.6

Page 1

Send the Report to: elvink@accutest.com

C33589: Chain of Custody
Page 1 of 3
Accutest Laboratories Southeast, Inc.

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: C33589 CLIENT: ALNC PROJECT: WTCCASJ5836

DATE/TIME RECEIVED: 4-18-14 09:30 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 7985 8181 7193

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [X] TRIP BLANK NOT PROVIDED
- [X] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.4
- [ ] OBSERVED TEMPS: 4.0
- [ ] CORRECTED TEMPS: 3.6

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE KC 4-18-14 REVIEWER SIGNATURE/DATE 04/18/14

RS 04/14 receipt confirmation 041514.xls

8.1

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C33589: Chain of Custody
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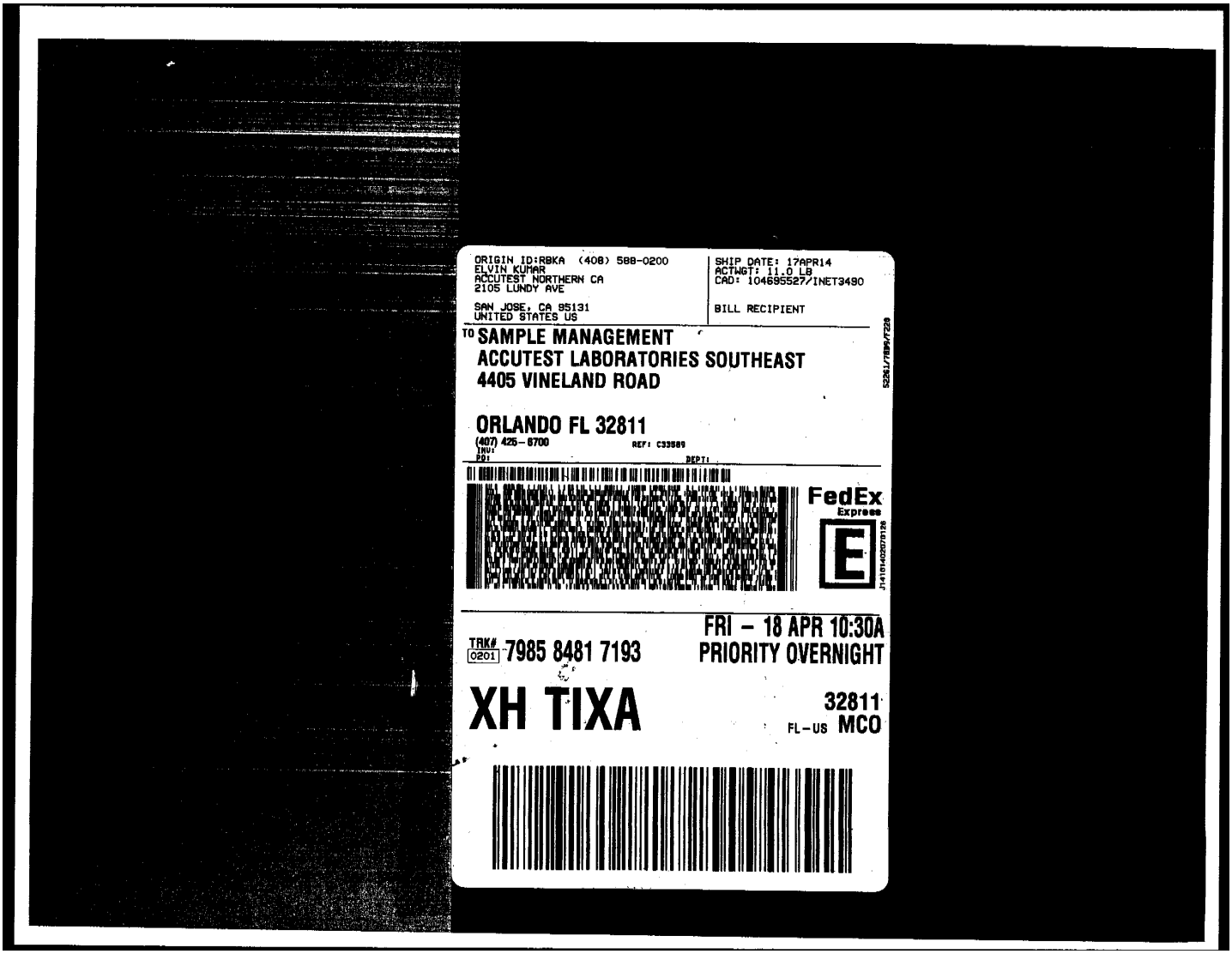

ORIGIN ID:RBKA (408) 588-0200
ELVIN KUMAR
ACCUTEST NORTHERN CA
2105 LUNDY AVE

SAN JOSE, CA 95131
UNITED STATES US

SHIP DATE: 17APR14
ACTWGT: 11.0 LB
CAD: 104695527/INET3490

BILL RECIPIENT

TO SAMPLE MANAGEMENT
ACCUTEST LABORATORIES SOUTHEAST
4405 VINELAND ROAD

ORLANDO FL 32811
(407) 425-6700
INV:
PO:
REF: C33589
DEPT:

FedEx Express

TRK# 0201 7985 8481 7193

FRI - 18 APR 10:30A
PRIORITY OVERNIGHT

XH TIXA

32811
FL-US MCO

8.1

8

C33589: Chain of Custody
Page 3 of 3

Northern California
ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C33589
Account: ALNCA Accutest Northern California, Inc.
Project: UTCCASJ: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51334-MB	Q4874.D	1	04/23/14	MRE	04/22/14	OP51334	SQ157

The QC reported here applies to the following samples: **Method:** SW846 6850

C33589-1

CAS No.	Compound	Result	RL	MDL	Units	Q
14797-73-0	Perchlorate	ND	2.0	0.55	ug/kg	

Blank Spike Summary

Job Number: C33589
Account: ALNCA Accutest Northern California, Inc.
Project: UTCCASJ: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51334-BS	Q4873.D	1	04/23/14	MRE	04/22/14	OP51334	SQ157

The QC reported here applies to the following samples: **Method:** SW846 6850

C33589-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
14797-73-0	Perchlorate	2	2.1	105	80-120

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C33589
Account: ALNCA Accutest Northern California, Inc.
Project: UTCCASJ: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51334-MS	Q4876.D	1	04/23/14	MRE	04/22/14	OP51334	SQ157
OP51334-MSD	Q4877.D	1	04/23/14	MRE	04/22/14	OP51334	SQ157
C33589-1	Q4875.D	1	04/23/14	MRE	04/22/14	OP51334	SQ157

The QC reported here applies to the following samples: **Method:** SW846 6850

C33589-1

CAS No.	Compound	C33589-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
14797-73-0	Perchlorate	ND		2.09	2.5	120	1.92	2.4	125*	4	80-120/15

9.3.1

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* = Outside of Control Limits.

Northern California
ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

(Accutest Laboratories Southeast, Inc.)

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: C33589
Account: ALNCA - Accutest Northern California, Inc.
Project: UTCCASJ: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Specific Conductivity	GN61142	1.0	0.0	umhos/cm				

Associated Samples:
Batch GN61142: C33589-1
(*) Outside of QC limits

10.1
10

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C33589
Account: ALNCA - Accutest Northern California, Inc.
Project: UTCCASJ: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN61142	C33589-1	umhos/cm	214	214	0.1	0-10%

Associated Samples:
Batch GN61142: C33589-1
(*) Outside of QC limits

10.2
10

Northern California
ACCUTEST
LABORATORIES

06/05/14

Technical Report for

United Technology Corporation

ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA

0888814914

Accutest Job Number: C34305

Sampling Date: 05/29/14

Report to:

Ensafe
5724 Summer Trees Road
Memphis, TN 38134
jteves@ensafe.com; kharsh@envstd.com

ATTN: Josh Teves

Total number of pages in report: **38**

NELAP ACCREDITED TNI LABORATORY

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Elvin Kumar 408-588-0200

Certifications: OR (CA300006) CA (08258CA) AZ (AZ0762) DoD ELAP (L-A-B L2242)

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Accutest Laboratories

Sample Summary

United Technology Corporation

Job No: C34305

ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA
Project No: 0888814914

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C34305-1	05/29/14	16:00	MO	05/30/14	AQ	Water	PW014Z
C34305-2	05/29/14	15:00	MO	05/30/14	AQ	Trip Blank Water	TB1WQ052914

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C34305
Site:	ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bern	**Report Date**	6/5/2014 6:32:41 PM

1 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 05/29/2014 and were received at Accutest on 05/30/2014 properly preserved, at 4.4 Deg. C and intact. These Samples received an Accutest job number of C34305. 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:** VW1658

- Sample(s) C34298-1MS, C34298-1MSD were used as the QC samples indicated.

Metals By Method SW846 6010B

Matrix: AQ **Batch ID:** MP7913

- Sample(s) C34245-1MS, C34245-1MSD, C34245-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Cadmium, Chromium, Silver, Arsenic, Copper, Lead, Molybdenum, Nickel, Thallium, Vanadium are outside control limits for sample MP7913-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- RPD(s) for Serial Dilution for Barium are outside control limits for sample MP7913-SD1. Serial dilution indicates possible matrix interference.

Metals By Method SW846 7470A

Matrix: AQ **Batch ID:** MP7926

- Sample(s) C34371-1MS, C34371-1MSD were used as the QC samples for metals.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP6461

- Sample(s) C34238-1MS, C34238-1MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM2510 B-97

Matrix: AQ **Batch ID:** GN13721

- Sample(s) C34238-1DUP 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: C34305
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA
Collected: 05/29/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C34305-1	**PW014Z**					
Antimony		4.4 B	6.0	0.51	ug/l	SW846 6010B
Arsenic		3.1 B	10	0.65	ug/l	SW846 6010B
Barium		122 B	200	0.35	ug/l	SW846 6010B
Chromium		10.1	10	0.41	ug/l	SW846 6010B
Cobalt		2.8 B	5.0	0.30	ug/l	SW846 6010B
Copper		7.6 B	10	3.0	ug/l	SW846 6010B
Lead		10.7	10	0.85	ug/l	SW846 6010B
Mercury		0.090 B	0.20	0.080	ug/l	SW846 7470A
Molybdenum		11.3 B	20	0.22	ug/l	SW846 6010B
Nickel		5.4	5.0	0.12	ug/l	SW846 6010B
Silver		1.6 B	5.0	0.47	ug/l	SW846 6010B
Vanadium		23.1	10	0.30	ug/l	SW846 6010B
Zinc		1920	20	4.2	ug/l	SW846 6010B
Specific Conductivity		302	1.0	1.0	umhos/cm	SM2510 B-97
C34305-2	**TB1WQ052914**					

No hits reported in this sample.

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	PW014Z		
Lab Sample ID:	C34305-1	**Date Sampled:**	05/29/14
Matrix:	AQ - Water	**Date Received:**	05/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46112.D	1	06/03/14	BD	n/a	n/a	VW1658
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW014Z		
Lab Sample ID:	C34305-1	**Date Sampled:**	05/29/14
Matrix:	AQ - Water	**Date Received:**	05/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, 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	100%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PW014Z
Lab Sample ID: C34305-1
Matrix: AQ - Water
Date Sampled: 05/29/14
Date Received: 05/30/14
Percent Solids: n/a
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	4.4 B	6.0	0.51	ug/l	1	06/03/14	06/04/14	RS	SW846 6010B [2]	SW846 3010A [4]
Arsenic	3.1 B	10	0.65	ug/l	1	06/03/14	06/03/14	RS	SW846 6010B [1]	SW846 3010A [4]
Barium	122 B	200	0.35	ug/l	1	06/03/14	06/03/14	RS	SW846 6010B [1]	SW846 3010A [4]
Beryllium	0.40 U	5.0	0.40	ug/l	1	06/03/14	06/03/14	RS	SW846 6010B [1]	SW846 3010A [4]
Cadmium	0.15 U	2.0	0.15	ug/l	1	06/03/14	06/03/14	RS	SW846 6010B [1]	SW846 3010A [4]
Chromium	10.1	10	0.41	ug/l	1	06/03/14	06/03/14	RS	SW846 6010B [1]	SW846 3010A [4]
Cobalt	2.8 B	5.0	0.30	ug/l	1	06/03/14	06/03/14	RS	SW846 6010B [1]	SW846 3010A [4]
Copper	7.6 B	10	3.0	ug/l	1	06/03/14	06/03/14	RS	SW846 6010B [1]	SW846 3010A [4]
Lead	10.7	10	0.85	ug/l	1	06/03/14	06/03/14	RS	SW846 6010B [1]	SW846 3010A [4]
Mercury	0.090 B	0.20	0.080	ug/l	1	06/03/14	06/04/14	EB	SW846 7470A [3]	SW846 7470A [5]
Molybdenum	11.3 B	20	0.22	ug/l	1	06/03/14	06/03/14	RS	SW846 6010B [1]	SW846 3010A [4]
Nickel	5.4	5.0	0.12	ug/l	1	06/03/14	06/03/14	RS	SW846 6010B [1]	SW846 3010A [4]
Selenium	2.2 U	10	2.2	ug/l	1	06/03/14	06/03/14	RS	SW846 6010B [1]	SW846 3010A [4]
Silver	1.6 B	5.0	0.47	ug/l	1	06/03/14	06/03/14	RS	SW846 6010B [1]	SW846 3010A [4]
Thallium	0.54 U	10	0.54	ug/l	1	06/03/14	06/03/14	RS	SW846 6010B [1]	SW846 3010A [4]
Vanadium	23.1	10	0.30	ug/l	1	06/03/14	06/03/14	RS	SW846 6010B [1]	SW846 3010A [4]
Zinc	1920	20	4.2	ug/l	1	06/03/14	06/03/14	RS	SW846 6010B [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA3996
(2) Instrument QC Batch: MA3998
(3) Instrument QC Batch: MA3999
(4) Prep QC Batch: MP7913
(5) Prep QC Batch: MP7926

RL = Reporting Limit
MDL = Method Detection Limit
U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW014Z		
Lab Sample ID:	C34305-1	**Date Sampled:**	05/29/14
Matrix:	AQ - Water	**Date Received:**	05/30/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.31 U	1.0	0.31	ug/l	1	06/04/14 15:18	PH	EPA 314
Specific Conductivity	302	1.0	1.0	umhos/cm	1	06/04/14	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	TB1WQ052914		
Lab Sample ID:	C34305-2	**Date Sampled:**	05/29/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W46113.D	1	06/03/14	BD	n/a	n/a	VW1658
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB1WQ052914		
Lab Sample ID:	C34305-2	**Date Sampled:**	05/29/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/30/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, 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	101%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range 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

CHAIN OF CUSTODY

ACCUTEST® LABORATORIES
2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

FEDEX Tracking # 8020 0829 6361
Bottle Order Control #
Accutest Quote #
Accutest NC Job #: C 034305

Client / Reporting Information

Company Name: ENSAFE
Address: 2151 SALVIO STREET, STE 301
City: CONCORD State: CA Zip: 94520
Project Contact: JOSH TEVES
Phone #: 925.305.2109
Samplers's Name:

Project Information

Project Name: UTC-RFF
Street: 2628 W. MILL STREET
City: SAN BERNARDINO State: CA
Project #: 08888 14914
EMAIL: JTEVES@ENSAFE.COM
Client Purchase Order #:

Requested Analysis

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI-Oil; WP-Wipe; LIQ - Non-aqueous Liquid; AIR; DW- Drinking Water (Perchlorate Only)

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	VOCs RIALTO LIST 8260B	PERCHLORATE 314.0	CAM 17 METALS	LAB USE ONLY
1	PW014Z	05-29-14	1600	MO	W		3		1		1				X	X	X	
2	TB1 WQ 052914	↓	1500	–	W	3	3								X			

3 DAYS

Turnaround Time (Business days)

- [ ] 10 Day
- [ ] 5 Day
- [x] 3 Day — Approved By/ Date: MO / 05-29-14
- [ ] 2 Day
- [ ] 1 Day
- [ ] Same Day

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	05-29-14/1800	FedEx	2 FedEx	5/30/14 0930	2
Relinquished by: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Appropriate Bottle / Pres. Y/N; Labels match Coc? Y / N	Headspace Y/N; Separate Receiving Check List used: Y / N; On Ice Y/N; Cooler Temp 4.4 °C

C34305: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C34305 **Client:** ENSAFE INC **Project:** UTC-RFF

Date / Time Received: 5/30/2014 **Delivery Method:** FedEx **Airbill #'s:** 802008296361

Cooler Temps (Initial/Adjusted): #1: (4.4/4.4);

Cooler Security	Y	or	N
1. Custody Seals Present:	☐		☑
2. Custody Seals Intact:	☐		☐
3. COC Present:	☑		☐
4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR2;		
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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C34305: 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: C34305
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1658-MB	W46110.D	1	06/03/14	BD	n/a	n/a	VW1658

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34305-1, C34305-2

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	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: C34305
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1658-MB	W46110.D	1	06/03/14	BD	n/a	n/a	VW1658

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34305-1, C34305-2

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	98%	70-130%
2037-26-5	Toluene-D8	103%	70-130%
460-00-4	4-Bromofluorobenzene	101%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C34305
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1658-BS	W46107.D	1	06/03/14	BD	n/a	n/a	VW1658
VW1658-BSD	W46108.D	1	06/03/14	BD	n/a	n/a	VW1658

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34305-1, C34305-2

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	19.5	98	1	77-122/25
108-90-7	Chlorobenzene	20	19.9	100	19.6	98	2	77-122/16
75-00-3	Chloroethane	20	17.6	88	17.7	89	1	69-133/18
67-66-3	Chloroform	20	19.9	100	19.9	100	0	74-126/17
56-23-5	Carbon tetrachloride	20	20.9	105	20.5	103	2	71-133/19
75-34-3	1,1-Dichloroethane	20	19.5	98	19.8	99	2	71-125/17
75-35-4	1,1-Dichloroethylene	20	19.4	97	19.6	98	1	66-125/20
106-93-4	1,2-Dibromoethane	20	19.3	97	19.6	98	2	75-135/17
107-06-2	1,2-Dichloroethane	20	19.2	96	19.9	100	4	71-131/17
78-87-5	1,2-Dichloropropane	20	19.6	98	19.7	99	1	78-124/16
75-71-8	Dichlorodifluoromethane	20	17.5	88	16.9	85	3	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	19.1	96	19.1	96	0	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	19.6	98	20.0	100	2	72-130/16
541-73-1	m-Dichlorobenzene	20	19.7	99	19.8	99	1	75-124/16
95-50-1	o-Dichlorobenzene	20	19.5	98	19.8	99	2	76-124/16
106-46-7	p-Dichlorobenzene	20	19.4	97	19.7	99	2	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	19.5	98	19.8	99	2	71-126/16
100-41-4	Ethylbenzene	20	20.1	101	19.7	99	2	76-126/17
76-13-1	Freon 113	20	22.1	111	21.6	108	2	60-145/25
87-68-3	Hexachlorobutadiene	20	20.4	102	20.2	101	1	69-135/20
67-63-0	Isopropyl Alcohol	400	367	92	408	102	11	70-130/20
74-83-9	Methyl bromide	20	17.9	90	18.0	90	1	68-132/18
74-87-3	Methyl chloride	20	16.5	83	16.1	81	2	39-150/28
75-09-2	Methylene chloride	20	17.2	86	18.0	90	5	67-128/18
100-42-5	Styrene	20	20.8	104	20.6	103	1	72-134/16
71-55-6	1,1,1-Trichloroethane	20	20.7	104	20.3	102	2	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	18.8	94	19.7	99	5	77-129/17
79-00-5	1,1,2-Trichloroethane	20	19.1	96	19.6	98	3	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	19.8	99	20.0	100	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	19.9	100	19.9	100	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	20.1	101	20.1	101	0	77-129/17
127-18-4	Tetrachloroethylene	20	20.2	101	19.7	99	3	69-127/20
108-88-3	Toluene	20	20.2	101	19.7	99	3	75-122/17
79-01-6	Trichloroethylene	20	20.2	101	20.1	101	0	78-123/17
75-69-4	Trichlorofluoromethane	20	18.8	94	18.9	95	1	65-136/23
75-01-4	Vinyl chloride	20	17.1	86	17.4	87	2	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C34305
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1658-BS	W46107.D	1	06/03/14	BD	n/a	n/a	VW1658
VW1658-BSD	W46108.D	1	06/03/14	BD	n/a	n/a	VW1658

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34305-1, C34305-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	40.7	102	39.5	99	3	76-125/17
95-47-6	o-Xylene	20	20.6	103	20.1	101	2	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	106%	105%	70-130%
2037-26-5	Toluene-D8	104%	102%	70-130%
460-00-4	4-Bromofluorobenzene	102%	100%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C34305
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C34298-1MS	W46125.D	1	06/03/14	BD	n/a	n/a	VW1658
C34298-1MSD	W46126.D	1	06/03/14	BD	n/a	n/a	VW1658
C34298-1	W46111.D	1	06/03/14	BD	n/a	n/a	VW1658

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34305-1, C34305-2

CAS No.	Compound	C34298-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	19.1	96	20	19.1	96	0	77-122/16
108-90-7	Chlorobenzene	ND		20	19.2	96	20	19.0	95	1	77-122/16
75-00-3	Chloroethane	ND		20	18.7	94	20	18.0	90	4	69-133/18
67-66-3	Chloroform	ND		20	20.1	101	20	20.4	102	1	74-126/17
56-23-5	Carbon tetrachloride	ND		20	20.7	104	20	20.2	101	2	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	20.0	100	20	19.5	98	3	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	19.9	100	20	19.3	97	3	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	19.6	98	20	19.6	98	0	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	20.0	100	20	20.1	101	0	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	19.3	97	20	19.5	98	1	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	17.6	88	20	15.7	79	11	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	19.2	96	20	19.4	97	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	19.0	95	20	19.1	96	1	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	19.6	98	20	19.3	97	2	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	19.7	99	20	19.7	99	0	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	19.6	98	20	19.2	96	2	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	19.2	96	20	18.9	95	2	71-126/16
100-41-4	Ethylbenzene	ND		20	19.4	97	20	19.0	95	2	76-126/17
76-13-1	Freon 113	ND		20	22.1	111	20	20.5	103	8	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	19.9	100	20	19.4	97	3	69-135/20
67-63-0	Isopropyl Alcohol	ND		400	457	114	400	442	111	3	70-130/20
74-83-9	Methyl bromide	ND		20	18.8	94	20	18.3	92	3	68-132/18
74-87-3	Methyl chloride	ND		20	17.9	90	20	17.3	87	3	39-150/28
75-09-2	Methylene chloride	ND		20	17.9	90	20	17.8	89	1	67-128/18
100-42-5	Styrene	ND		20	20.1	101	20	19.9	100	1	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	20.9	105	20	20.7	104	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	20.1	101	20	20.3	102	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	19.6	98	20	19.7	99	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	19.8	99	20	19.5	98	2	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	19.7	99	20	19.4	97	2	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	19.8	99	20	19.5	98	2	77-129/17
127-18-4	Tetrachloroethylene	ND		20	19.4	97	20	18.7	94	4	69-127/20
108-88-3	Toluene	ND		20	19.5	98	20	19.2	96	2	75-122/17
79-01-6	Trichloroethylene	ND		20	20.1	101	20	19.7	99	2	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	19.8	99	20	18.2	91	8	65-136/23
75-01-4	Vinyl chloride	ND		20	18.3	92	20	17.5	88	4	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C34305
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street, San Bernardino, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C34298-1MS	W46125.D	1	06/03/14	BD	n/a	n/a	VW1658
C34298-1MSD	W46126.D	1	06/03/14	BD	n/a	n/a	VW1658
C34298-1	W46111.D	1	06/03/14	BD	n/a	n/a	VW1658

The QC reported here applies to the following samples: **Method:** SW846 8260B

C34305-1, C34305-2

CAS No.	Compound	C34298-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	38.9	97	40	38.3	96	2	76-125/17
95-47-6	o-Xylene	ND		20	19.6	98	20	19.4	97	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C34298-1	Limits
1868-53-7	Dibromofluoromethane	108%	111%	99%	70-130%
2037-26-5	Toluene-D8	102%	101%	103%	70-130%
460-00-4	4-Bromofluorobenzene	101%	100%	100%	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: C34305
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

QC Batch ID: MP7913
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/02/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	13	8.5		
Antimony	6.0	.7	.51	-1.2	<6.0
Arsenic	10	.7	.65	0.60	<10
Barium	200	.4	.35	3.3	<200
Beryllium	5.0	.2	.4	-0.70	<5.0
Boron	100	.9	.64		
Cadmium	2.0	.2	.15	-0.10	<2.0
Calcium	5000	7.1	12		
Chromium	10	.3	.41	-2.7	<10
Cobalt	5.0	.2	.3	-0.30	<5.0
Copper	10	1.2	3	-0.80	<10
Iron	200	6.4	12		
Lead	10	.7	.85	1.5	<10
Lithium	50		2		
Magnesium	5000	27	36		
Manganese	15	.1	1.3		
Molybdenum	20	.2	.22	0.80	<20
Nickel	5.0	.2	.12	-0.20	<5.0
Potassium	10000	18	44		
Selenium	10	1.8	2.2	-1.4	<10
Silicon	100	1.2	6.9		
Silver	5.0	.3	.47	1.8	<5.0
Sodium	10000	15	13		
Strontium	10	.2	.24		
Thallium	10	.5	.54	1.1	<10
Tin	50	.2	.7		
Titanium	10	.4	.34		
Vanadium	10	.3	.3	0.0	<10
Zinc	20	.3	4.2	0.70	<20

Associated samples MP7913: C34305-1

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: C34305
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

QC Batch ID: MP7913
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/02/14

Metal	C34245-1 Original	MS	Spikelot MPIR5	% Rec	QC Limits
Aluminum	anr				
Antimony	3.3	504	500	100.8	75-125
Arsenic	2.6	510	500	101.5	75-125
Barium	112	611	500	98.6	75-125
Beryllium	0.0	508	500	101.6	75-125
Boron					
Cadmium	0.0	505	500	100.9	75-125
Calcium					
Chromium	0.0	509	500	101.8	75-125
Cobalt	0.0	500	500	100.0	75-125
Copper	2.0	505	500	100.6	75-125
Iron	anr				
Lead	2.5	491	500	97.7	75-125
Lithium					
Magnesium					
Manganese					
Molybdenum	4.2	494	500	98.0	75-125
Nickel	0.40	485	500	96.9	75-125
Potassium					
Selenium	0.0	512	500	102.4	75-125
Silicon					
Silver	0.0	511	500	102.2	75-125
Sodium					
Strontium					
Thallium	1.8	498	500	99.2	75-125
Tin					
Titanium					
Vanadium	3.2	500	500	99.4	75-125
Zinc	52.1	536	500	96.8	75-125

Associated samples MP7913: C34305-1

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: C34305
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

QC Batch ID: MP7913
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/02/14

Metal	C34245-1 Original	MSD	Spikelot MPIR5	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	3.3	499	500	99.8	1.0	20
Arsenic	2.6	513	500	102.1	2.9	20
Barium	112	610	500	98.4	0.2	20
Beryllium	0.0	529	500	105.8	4.1	20
Boron						
Cadmium	0.0	503	500	100.5	0.4	20
Calcium						
Chromium	0.0	521	500	104.2	0.8	20
Cobalt	0.0	511	500	102.2	2.2	20
Copper	2.0	519	500	103.4	2.7	20
Iron	anr					
Lead	2.5	509	500	101.3	1.0	20
Lithium						
Magnesium						
Manganese						
Molybdenum	4.2	510	500	101.2	3.2	20
Nickel	0.40	512	500	102.3	5.4	20
Potassium						
Selenium	0.0	500	500	100.0	2.4	20
Silicon						
Silver	0.0	514	500	102.8	1.8	20
Sodium						
Strontium						
Thallium	1.8	508	500	101.2	2.0	20
Tin						
Titanium						
Vanadium	3.2	514	500	102.2	2.8	20
Zinc	52.1	546	500	98.8	1.8	20

Associated samples MP7913: C34305-1

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: C34305
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

QC Batch ID: MP7913
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/02/14

Metal	BSP Result	Spikelot MPIR5	% Rec	QC Limits
Aluminum	anr			
Antimony	495	500	99.0	80-120
Arsenic	490	500	98.0	80-120
Barium	484	500	96.8	80-120
Beryllium	496	500	99.2	80-120
Boron				
Cadmium	498	500	99.6	80-120
Calcium				
Chromium	498	500	99.6	80-120
Cobalt	500	500	100.0	80-120
Copper	501	500	100.2	80-120
Iron	anr			
Lead	484	500	96.8	80-120
Lithium				
Magnesium				
Manganese				
Molybdenum	489	500	97.8	80-120
Nickel	473	500	94.6	80-120
Potassium				
Selenium	528	500	105.6	80-120
Silicon				
Silver	502	500	100.4	80-120
Sodium				
Strontium				
Thallium	487	500	97.4	80-120
Tin				
Titanium				
Vanadium	490	500	98.0	80-120
Zinc	501	500	100.2	80-120

Associated samples MP7913: C34305-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: C34305
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

QC Batch ID: MP7913
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/02/14

Metal	C34245-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony	3.30	0.00	NC	0-10
Arsenic	2.60	11.5	342.3(a)	0-10
Barium	112	144	22.2*(b)	0-10
Beryllium	0.00	5.40	NC	0-10
Boron				
Cadmium	0.00	2.80	833.3(a)	0-10
Calcium				
Chromium	0.00	9.90	NC	0-10
Cobalt	0.00	0.00	NC	0-10
Copper	2.00	0.00	100.0(a)	0-10
Iron	anr			
Lead	2.50	5.60	124.0(a)	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum	4.20	5.40	28.6 (a)	0-10
Nickel	0.400	0.00	100.0(a)	0-10
Potassium				
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium	1.80	0.00	100.0(a)	0-10
Tin				
Titanium				
Vanadium	3.20	1.80	43.8 (a)	0-10
Zinc	52.1	53.6	2.9	0-10

Associated samples MP7913: C34305-1

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).
(b) Serial dilution indicates possible matrix interference.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: C34305
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

QC Batch ID: MP7926
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/03/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.0042	.08	0.073	<0.20

Associated samples MP7926: C34305-1

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: C34305
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

QC Batch ID: MP7926 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/03/14

Metal	C34371-1 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.0	3.8	4	95.0	75-125

Associated samples MP7926: C34305-1

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: C34305
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

QC Batch ID: MP7926 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/03/14

Metal	C34371-1 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	3.8	4	95.0	0.0	30

Associated samples MP7926: C34305-1

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

7.2.2

7

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C34305
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

QC Batch ID: MP7926
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/03/14

Metal	BSP Result	Spikelot HGPWS1	% Rec	QC Limits
Mercury	1.8	2	90.0	85-115

Associated samples MP7926: C34305-1

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: C34305
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP6461/GN13727	3.0	0.0	ug/l	25	23.8	95.2	85-115%
Specific Conductivity	GN13721	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP6461: C34305-1
Batch GN13721: C34305-1
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C34305
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP6461/GN13727	ug/l	25	23.8	0.0	

Associated Samples:
Batch GP6461: C34305-1
(*) Outside of QC limits

8.2
8

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C34305
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN13721	C34238-1	umhos/cm	123000	122000	0.4	0-10%

Associated Samples:
Batch GN13721: C34305-1
(*) Outside of QC limits

8.3

8

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C34305
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP6461/GN13727	C34238-1	ug/l	479	1250	1640	92.9	80-120%

Associated Samples:
Batch GP6461: C34305-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C34305
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - 2628 W. Mill Street,San Bernardino,CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP6461/GN13727	C34238-1	ug/l	479	1250	1730	5.3	15%

Associated Samples:
Batch GP6461: C34305-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
ACCUTEST
LABORATORIES

07/24/14

Technical Report for

United Technology Corporation

ENSTNM: UTC RFF Superfund Site - Rialto, CA

0888814914

Accutest Job Number: C35156

Sampling Date: 07/21/14

Report to:

Ensafe
5724 Summer Trees Road
Memphis, TN 38134
jteves@ensafe.com; kharsh@envstd.com

ATTN: Josh Teves

Total number of pages in report: **40**

NELAP ACCREDITED TNI LABORATORY

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Elvin Kumar 408-588-0200

Certifications: OR (CA300006) CA (08258CA) CA (ELAP 2910) AZ (AZ0762) DoD ELAP (L-A-B L2242)

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Accutest Laboratories

Sample Summary

United Technology Corporation

Job No: C35156

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 0888814914

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C35156-1	07/21/14	16:30	MO	07/22/14	AQ	Ground Water	PW13Z
C35156-2	07/21/14	16:00	MO	07/22/14	AQ	Trip Blank Water	TB1072114

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C35156
Site:	ENSTNM: UTC RFF Superfund Site - Rialto, CA	**Report Date**	7/24/2014 6:34:24 PM

1 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 07/21/2014 and were received at Accutest on 07/22/2014 properly preserved, at 3.8 Deg. C and intact. These Samples received an Accutest job number of C35156. 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:** VW1692

- Sample(s) C35110-1MS, C35110-1MSD were used as the QC samples indicated.

Metals By Method SW846 6010B

Matrix: AQ **Batch ID:** MP8150

- Sample(s) C35008-5FMS, C35008-5FMSD, C35008-5FSDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Nickel, Selenium, Silver, Vanadium, Zinc are outside control limits for sample MP8150-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 7470A

Matrix: AQ **Batch ID:** MP8145

- Sample(s) C35087-1MS, C35087-1MSD were used as the QC samples for metals.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP6624

- Sample(s) C35072-1MS, C35072-1MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM2510 B-97

Matrix: AQ **Batch ID:** GN14091

- Sample(s) C35156-1DUP 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: C35156
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 07/21/14

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C35156-1	**PW13Z**					
Arsenic		1.8 B	10	0.65	ug/l	SW846 6010B
Barium		30.5 B	200	0.35	ug/l	SW846 6010B
Beryllium		0.70 B	5.0	0.40	ug/l	SW846 6010B
Chromium		3.3 B	10	0.41	ug/l	SW846 6010B
Cobalt		0.60 B	5.0	0.30	ug/l	SW846 6010B
Lead		3.1 B	10	0.85	ug/l	SW846 6010B
Molybdenum		7.3 B	20	0.22	ug/l	SW846 6010B
Selenium		2.2 B	10	2.2	ug/l	SW846 6010B
Thallium		3.8 B	10	0.54	ug/l	SW846 6010B
Vanadium		11.3	10	0.30	ug/l	SW846 6010B
Zinc		1140	20	4.2	ug/l	SW846 6010B
Perchlorate		0.82 B	1.0	0.31	ug/l	EPA 314
Specific Conductivity		354	1.0	1.0	umhos/cm	SM2510 B-97
C35156-2	**TB1072114**					

No hits reported in this sample.

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	PW13Z		
Lab Sample ID:	C35156-1	**Date Sampled:**	07/21/14
Matrix:	AQ - Ground Water	**Date Received:**	07/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47096.D	1	07/22/14	BD	n/a	n/a	VW1692
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13Z		
Lab Sample ID:	C35156-1	**Date Sampled:**	07/21/14
Matrix:	AQ - Ground Water	**Date Received:**	07/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	82%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	93%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW13Z		
Lab Sample ID:	C35156-1	**Date Sampled:**	07/21/14
Matrix:	AQ - Ground Water	**Date Received:**	07/22/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	0.51 U	6.0	0.51	ug/l	1	07/23/14	07/23/14	RS	SW846 6010B [2]	SW846 3010A [4]
Arsenic	1.8 B	10	0.65	ug/l	1	07/23/14	07/23/14	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	30.5 B	200	0.35	ug/l	1	07/23/14	07/23/14	RS	SW846 6010B [2]	SW846 3010A [4]
Beryllium	0.70 B	5.0	0.40	ug/l	1	07/23/14	07/23/14	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	0.15 U	2.0	0.15	ug/l	1	07/23/14	07/23/14	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	3.3 B	10	0.41	ug/l	1	07/23/14	07/23/14	RS	SW846 6010B [2]	SW846 3010A [4]
Cobalt	0.60 B	5.0	0.30	ug/l	1	07/23/14	07/23/14	RS	SW846 6010B [2]	SW846 3010A [4]
Copper	3.0 U	10	3.0	ug/l	1	07/23/14	07/23/14	RS	SW846 6010B [2]	SW846 3010A [4]
Lead	3.1 B	10	0.85	ug/l	1	07/23/14	07/23/14	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.080 U	0.20	0.080	ug/l	1	07/22/14	07/22/14	BQ	SW846 7470A [1]	SW846 7470A [3]
Molybdenum	7.3 B	20	0.22	ug/l	1	07/23/14	07/23/14	RS	SW846 6010B [2]	SW846 3010A [4]
Nickel	0.12 U	5.0	0.12	ug/l	1	07/23/14	07/23/14	RS	SW846 6010B [2]	SW846 3010A [4]
Selenium	2.2 B	10	2.2	ug/l	1	07/23/14	07/23/14	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.47 U	5.0	0.47	ug/l	1	07/23/14	07/23/14	RS	SW846 6010B [2]	SW846 3010A [4]
Thallium	3.8 B	10	0.54	ug/l	1	07/23/14	07/23/14	RS	SW846 6010B [2]	SW846 3010A [4]
Vanadium	11.3	10	0.30	ug/l	1	07/23/14	07/23/14	RS	SW846 6010B [2]	SW846 3010A [4]
Zinc	1140	20	4.2	ug/l	1	07/23/14	07/23/14	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA4108
(2) Instrument QC Batch: MA4110
(3) Prep QC Batch: MP8145
(4) Prep QC Batch: MP8150

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PW13Z		
Lab Sample ID:	C35156-1	**Date Sampled:**	07/21/14
Matrix:	AQ - Ground Water	**Date Received:**	07/22/14
		Percent Solids:	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Perchlorate by IC								
Perchlorate	0.82 B	1.0	0.31	ug/l	1	07/22/14 23:55	PH	EPA 314
Specific Conductivity	354	1.0	1.0	umhos/cm	1	07/22/14 12:00	PH	SM2510 B-97

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	TB1072114		
Lab Sample ID:	C35156-2	**Date Sampled:**	07/21/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W47095.D	1	07/22/14	BD	n/a	n/a	VW1692
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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB1072114		
Lab Sample ID:	C35156-2	**Date Sampled:**	07/21/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: UTC RFF Superfund Site - 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	79%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	94%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range 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

CHAIN OF CUSTODY

ACCUTEST® LABORATORIES
2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking #: 7800 4284 4714
Bottle Order Control #:
Accutest Quote #:
Accutest NC Job #: C: C35156

Client / Reporting Information

Company Name: ENSAFE
Address: 2151 SALVIO ST, SUITE 300
City: CONCORD State: CA Zip: 94520
Project Contact: JOSH TEVES
Phone #: 925.305.2109
Samplers's Name: MIGUEL OVIEDO

Project Information

Project Name: RFF SUPERFUND SITE
Street:
City: State:
Project #: 08888814914
EMAIL: JTEVES@ENSAFE.COM
Client Purchase Order #: EK-7_15_2014-4

Requested Analysis

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	VOCs RIA-TO LIST 8260B	PERCHLORATE	CAM 17 METALS
1	PW13Z	07-21-14	1630	MO	W	3	X								X		
↓	PW13Z	↓	↓	↓	↓	1			X								X
↓	PW13Z	↓	↓	↓	↓	1					X					X	
2	TB1 072114	↓	1600	↓	WQ										X		

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; Ol-Oil; WP-Wipe; LIQ - Non-aqueous Liquid; AIR; DW- Drinking Water (Perchlorate Only)

LAB USE ONLY

Turnaround Time (Business days)

Approved By/ Date:
- [ ] 10 Day
- [ ] 5 Day
- [x] 3 Day — MO/JT
- [x] 2 Day
- [ ] 1 Day
- [ ] Same Day

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	07-21-14 / 1700	1 Fedex	2 Fedex	7/22/14 0944	2
Relinquished by: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # Y	Appropriate Bottle / Pres. Y/N; Labels match Coc? Y / N	Headspace Y/N; Separate Receiving Check List used: Y / N

On Ice Y/N; Cooler Temp. 4.1 - 0.3 = 3.8 °C

C35156: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C35156 **Client:** ENSAFE **Project:** RFF SUPERFUND SITE

Date / Time Received: 7/22/2014 **Delivery Method:** FedEx **Airbill #'s:** 780042844714

Cooler Temps (Initial/Adjusted): #1: (4.1/3.8);

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;
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 phone call from Miguel, TAT changed to 2-Day Rush TAT, 07/22/14

Accutest Laboratories
V:408.588.0200
2105 Lundy Avenue
F: 408.588.0201
San Jose, CA 95131
www/accutest.com

5.1

5

C35156: 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: C35156
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1692-MB2	W47093.D	1	07/22/14	BD	n/a	n/a	VW1692

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35156-1, C35156-2

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	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: C35156
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1692-MB2	W47093.D	1	07/22/14	BD	n/a	n/a	VW1692

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35156-1, C35156-2

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	82%	70-130%
2037-26-5	Toluene-D8	100%	70-130%
460-00-4	4-Bromofluorobenzene	95%	70-130%

Method Blank Summary

Job Number: C35156
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1692-MB	W47072.D	1	07/21/14	BD	n/a	n/a	VW1692

The QC reported here applies to the following samples: **Method:** SW846 8260B

VW1692-BSD, VW1692-BS, C35110-1MS, C35110-1MSD

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: C35156
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1692-MB	W47072.D	1	07/21/14	BD	n/a	n/a	VW1692

The QC reported here applies to the following samples: **Method:** SW846 8260B

VW1692-BSD, VW1692-BS, C35110-1MS, C35110-1MSD

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	87%	70-130%
2037-26-5	Toluene-D8	103%	70-130%
460-00-4	4-Bromofluorobenzene	99%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35156
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1692-BS	W47069.D	1	07/21/14	BD	n/a	n/a	VW1692
VW1692-BSD	W47070.D	1	07/21/14	BD	n/a	n/a	VW1692

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35156-1, C35156-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	19.1	96	19.2	96	1	77-122/25
108-90-7	Chlorobenzene	20	20.0	100	19.8	99	1	77-122/16
75-00-3	Chloroethane	20	18.8	94	18.9	95	1	69-133/18
67-66-3	Chloroform	20	19.2	96	19.3	97	1	74-126/17
56-23-5	Carbon tetrachloride	20	20.6	103	20.6	103	0	71-133/19
75-34-3	1,1-Dichloroethane	20	19.2	96	19.4	97	1	71-125/17
75-35-4	1,1-Dichloroethylene	20	19.4	97	19.5	98	1	66-125/20
106-93-4	1,2-Dibromoethane	20	19.3	97	19.8	99	3	75-135/17
107-06-2	1,2-Dichloroethane	20	18.9	95	19.3	97	2	71-131/17
78-87-5	1,2-Dichloropropane	20	19.4	97	19.7	99	2	78-124/16
75-71-8	Dichlorodifluoromethane	20	17.6	88	18.4	92	4	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	19.3	97	19.5	98	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	20.1	101	20.5	103	2	72-130/16
541-73-1	m-Dichlorobenzene	20	20.0	100	19.7	99	2	75-124/16
95-50-1	o-Dichlorobenzene	20	19.7	99	19.8	99	1	76-124/16
106-46-7	p-Dichlorobenzene	20	19.6	98	19.5	98	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	20.2	101	20.6	103	2	71-126/16
100-41-4	Ethylbenzene	20	20.0	100	19.9	100	1	76-126/17
76-13-1	Freon 113	20	21.1	106	21.0	105	0	60-145/25
87-68-3	Hexachlorobutadiene	20	20.9	105	20.3	102	3	69-135/20
67-63-0	Isopropyl Alcohol	400	397	99	419	105	5	70-130/20
74-83-9	Methyl bromide	20	19.1	96	19.3	97	1	68-132/18
74-87-3	Methyl chloride	20	15.2	76	18.1	91	17	39-150/28
75-09-2	Methylene chloride	20	18.6	93	19.1	96	3	67-128/18
100-42-5	Styrene	20	21.0	105	20.9	105	0	72-134/16
71-55-6	1,1,1-Trichloroethane	20	20.0	100	19.9	100	1	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	18.9	95	19.4	97	3	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	19.8	99	19.8	99	0	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	20.3	102	20.1	101	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	20.3	102	20.0	100	1	77-129/17
127-18-4	Tetrachloroethylene	20	20.5	103	20.1	101	2	69-127/20
108-88-3	Toluene	20	19.8	99	19.6	98	1	75-122/17
79-01-6	Trichloroethylene	20	19.8	99	19.9	100	1	78-123/17
75-69-4	Trichlorofluoromethane	20	18.7	94	18.7	94	0	65-136/23
75-01-4	Vinyl chloride	20	16.5	83	16.7	84	1	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C35156
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1692-BS	W47069.D	1	07/21/14	BD	n/a	n/a	VW1692
VW1692-BSD	W47070.D	1	07/21/14	BD	n/a	n/a	VW1692

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35156-1, C35156-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	41.4	104	41.0	103	1	76-125/17
95-47-6	o-Xylene	20	20.4	102	20.3	102	0	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	98%	100%	70-130%
2037-26-5	Toluene-D8	102%	101%	70-130%
460-00-4	4-Bromofluorobenzene	100%	100%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35156
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35110-1MS	W47085.D	1	07/21/14	BD	n/a	n/a	VW1692
C35110-1MSD	W47086.D	1	07/21/14	BD	n/a	n/a	VW1692
C35110-1	W47074.D	1	07/21/14	BD	n/a	n/a	VW1692

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35156-1, C35156-2

CAS No.	Compound	C35110-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	19.9	100	20	19.9	100	0	77-122/16
108-90-7	Chlorobenzene	ND		20	20.6	103	20	20.7	104	0	77-122/16
75-00-3	Chloroethane	ND		20	20.1	101	20	20.2	101	0	69-133/18
67-66-3	Chloroform	ND		20	20.1	101	20	20.5	103	2	74-126/17
56-23-5	Carbon tetrachloride	ND		20	21.9	110	20	21.8	109	0	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	19.9	100	20	20.4	102	2	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	20.8	104	20	21.0	105	1	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	19.9	100	20	20.2	101	1	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	19.2	96	20	19.7	99	3	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	19.9	100	20	20.0	100	1	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	22.4	112	20	22.4	112	0	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	20.5	103	20	20.9	105	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	20.1	101	20	20.2	101	0	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	20.4	102	20	20.6	103	1	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	20.2	101	20	20.5	103	1	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	20.2	101	20	20.4	102	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	19.6	98	20	19.9	100	2	71-126/16
100-41-4	Ethylbenzene	ND		20	20.6	103	20	20.6	103	0	76-126/17
76-13-1	Freon 113	ND		20	23.2	116	20	22.4	112	4	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	21.0	105	20	21.2	106	1	69-135/20
67-63-0	Isopropyl Alcohol	ND		400	399	100	400	430	108	7	70-130/20
74-83-9	Methyl bromide	ND		20	20.6	103	20	20.5	103	0	68-132/18
74-87-3	Methyl chloride	ND		20	19.6	98	20	18.7	94	5	39-150/28
75-09-2	Methylene chloride	ND		20	19.4	97	20	19.8	99	2	67-128/18
100-42-5	Styrene	ND		20	20.5	103	20	20.6	103	0	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	21.1	106	20	21.3	107	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	18.9	95	20	19.4	97	3	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	19.4	97	20	19.7	99	2	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	19.9	100	20	20.2	101	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	20.7	104	20	20.8	104	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	20.6	103	20	20.8	104	1	77-129/17
127-18-4	Tetrachloroethylene	ND		20	21.2	106	20	21.1	106	0	69-127/20
108-88-3	Toluene	ND		20	20.4	102	20	20.4	102	0	75-122/17
79-01-6	Trichloroethylene	ND		20	20.8	104	20	20.7	104	0	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	22.0	110	20	21.5	108	2	65-136/23
75-01-4	Vinyl chloride	ND		20	19.3	97	20	18.8	94	3	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C35156
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C35110-1MS	W47085.D	1	07/21/14	BD	n/a	n/a	VW1692
C35110-1MSD	W47086.D	1	07/21/14	BD	n/a	n/a	VW1692
C35110-1	W47074.D	1	07/21/14	BD	n/a	n/a	VW1692

The QC reported here applies to the following samples: **Method:** SW846 8260B

C35156-1, C35156-2

CAS No.	Compound	C35110-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	42.4	106	40	42.6	107	0	76-125/17
95-47-6	o-Xylene	ND		20	21.1	106	20	21.1	106	0	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C35110-1	Limits
1868-53-7	Dibromofluoromethane	101%	102%	85%	70-130%
2037-26-5	Toluene-D8	100%	101%	104%	70-130%
460-00-4	4-Bromofluorobenzene	98%	100%	98%	70-130%

* = Outside of Control Limits.

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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: C35156
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

QC Batch ID: MP8145
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 07/22/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.0042	.08	0.076	<0.20

Associated samples MP8145: C35156-1

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: C35156
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

QC Batch ID: MP8145
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 07/22/14

Metal	C35087-1 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.0	206	200	103.0	75-125

Associated samples MP8145: C35156-1

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: C35156
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

QC Batch ID: MP8145 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 07/22/14

Metal	C35087-1 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	205	200	102.5	0.5	30

Associated samples MP8145: C35156-1

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

7.1.2

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SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C35156
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

QC Batch ID: MP8145
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 07/22/14

Metal	BSP Result	Spikelot HGPWS1	% Rec	QC Limits
Mercury	1.9	2	95.0	85-115

Associated samples MP8145: C35156-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

7.1.3

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BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: C35156
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

QC Batch ID: MP8150
Matrix Type: AQUEOUS

Methods: EPA 200.7, SW846 6010B
Units: ug/l

Prep Date: 07/23/14

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	0.70	<10
Barium	200	.4	.35	-0.10	<200
Beryllium	5.0	.2	.4	0.0	<5.0
Boron	100	.9	.64		
Cadmium	2.0	.2	.15	-1.0	<2.0
Calcium	5000	7.1	12		
Chromium	10	.3	.41	0.20	<10
Cobalt	5.0	.2	.3	0.30	<5.0
Copper	10	1.2	3	-0.70	<10
Iron	200	6.4	12		
Lead	10	.7	.85	1.0	<10
Lithium	50		2		
Magnesium	5000	27	36		
Manganese	15	.1	1.3		
Molybdenum	20	.2	.22	-0.30	<20
Nickel	5.0	.2	.12	0.10	<5.0
Potassium	10000	18	44		
Selenium	10	1.8	2.2	0.80	<10
Silicon	100	1.2	6.9		
Silver	5.0	.3	.47	0.80	<5.0
Sodium	10000	15	13		
Strontium	10	.2	.24		
Thallium	10	.5	.54	-0.60	<10
Tin	50	.2	.7		
Titanium	10	.4	.34		
Vanadium	10	.3	.3	-0.60	<10
Zinc	20	.3	4.2	0.70	<20

Associated samples MP8150: C35156-1

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: C35156
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

QC Batch ID: MP8150
Matrix Type: AQUEOUS

Methods: EPA 200.7, SW846 6010B
Units: ug/l

Prep Date: 07/23/14

Metal	C35008-5F Original	MS	Spikelot MPIR5	% Rec	QC Limits
Aluminum					
Antimony	0.90	541	500	108.0	75-125
Arsenic	2.8	561	500	111.6	75-125
Barium	11.6	537	500	105.1	75-125
Beryllium	0.0	548	500	109.6	75-125
Boron					
Cadmium	0.30	546	500	109.1	75-125
Calcium					
Chromium	7.5	541	500	106.7	75-125
Cobalt	0.80	532	500	106.2	75-125
Copper	0.0	529	500	105.8	75-125
Iron	anr				
Lead	0.0	533	500	106.6	75-125
Lithium					
Magnesium					
Manganese	anr				
Molybdenum	16.4	546	500	105.9	75-125
Nickel	0.90	524	500	104.6	75-125
Potassium					
Selenium	25.8	585	500	111.8	75-125
Silicon					
Silver	0.80	542	500	108.2	75-125
Sodium					
Strontium					
Thallium	0.0	520	500	104.0	75-125
Tin					
Titanium					
Vanadium	0.90	539	500	107.6	75-125
Zinc	2.5	540	500	107.5	75-125

Associated samples MP8150: C35156-1

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: C35156
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

QC Batch ID: MP8150
Matrix Type: AQUEOUS

Methods: EPA 200.7, SW846 6010B
Units: ug/l

Prep Date: 07/23/14

Metal	C35008-5F Original	MSD	Spikelot MPIR5	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	0.90	530	500	105.8	2.1	20
Arsenic	2.8	553	500	110.0	1.4	20
Barium	11.6	523	500	102.3	2.6	20
Beryllium	0.0	544	500	108.8	0.7	20
Boron						
Cadmium	0.30	541	500	108.1	0.9	20
Calcium						
Chromium	7.5	551	500	108.7	1.8	20
Cobalt	0.80	521	500	104.0	2.1	20
Copper	0.0	539	500	107.8	1.9	20
Iron	anr					
Lead	0.0	524	500	104.8	1.7	20
Lithium						
Magnesium						
Manganese	anr					
Molybdenum	16.4	541	500	104.9	0.9	20
Nickel	0.90	518	500	103.4	1.2	20
Potassium						
Selenium	25.8	579	500	110.6	1.0	20
Silicon						
Silver	0.80	530	500	105.8	2.2	20
Sodium						
Strontium						
Thallium	0.0	507	500	101.4	2.5	20
Tin						
Titanium						
Vanadium	0.90	539	500	107.6	0.0	20
Zinc	2.5	533	500	106.1	1.3	20

Associated samples MP8150: C35156-1

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: C35156
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

QC Batch ID: MP8150
Matrix Type: AQUEOUS

Methods: EPA 200.7, SW846 6010B
Units: ug/l

Prep Date: 07/23/14

Metal	BSP Result	Spikelot MPIR5	% Rec	QC Limits
Aluminum				
Antimony	518	500	103.6	80-120
Arsenic	518	500	103.6	80-120
Barium	510	500	102.0	80-120
Beryllium	527	500	105.4	80-120
Boron				
Cadmium	521	500	104.2	80-120
Calcium				
Chromium	535	500	107.0	80-120
Cobalt	532	500	106.4	80-120
Copper	528	500	105.6	80-120
Iron	anr			
Lead	513	500	102.6	80-120
Lithium				
Magnesium				
Manganese	anr			
Molybdenum	520	500	104.0	80-120
Nickel	497	500	99.4	80-120
Potassium				
Selenium	521	500	104.2	80-120
Silicon				
Silver	512	500	102.4	80-120
Sodium				
Strontium				
Thallium	524	500	104.8	80-120
Tin				
Titanium				
Vanadium	522	500	104.4	80-120
Zinc	518	500	103.6	80-120

Associated samples MP8150: C35156-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: C35156
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

QC Batch ID: MP8150
Matrix Type: AQUEOUS

Methods: EPA 200.7, SW846 6010B
Units: ug/l

Prep Date: 07/23/14

Metal	C35008-5F Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	0.900	0.00	100.0(a)	0-10
Arsenic	2.80	5.10	82.1 (a)	0-10
Barium	11.6	14.2	22.4 (a)	0-10
Beryllium	0.00	0.00	NC	0-10
Boron				
Cadmium	0.300	0.00	100.0(a)	0-10
Calcium				
Chromium	7.50	6.10	18.7 (a)	0-10
Cobalt	0.800	3.00	275.0(a)	0-10
Copper	0.00	0.00	NC	0-10
Iron	anr			
Lead	0.00	8.00	NC	0-10
Lithium				
Magnesium				
Manganese	anr			
Molybdenum	16.4	14.8	9.8	0-10
Nickel	0.900	2.60	188.9(a)	0-10
Potassium				
Selenium	25.8	33.5	29.8 (a)	0-10
Silicon				
Silver	0.800	0.00	100.0(a)	0-10
Sodium				
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	0.900	3.00	233.3(a)	0-10
Zinc	2.50	9.40	276.0(a)	0-10

Associated samples MP8150: C35156-1

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).

Northern California
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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: C35156
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP6624/GN14081	3.0	0.0	ug/l	25	26.3	105.2	85-115%
Specific Conductivity	GN14091	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP6624: C35156-1
Batch GN14091: C35156-1
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35156
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP6624/GN14081	ug/l	25	25.4	3.5	

Associated Samples:
Batch GP6624: C35156-1
(*) Outside of QC limits

8.2
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DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35156
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN14091	C35156-1	umhos/cm	354	350	1.1	0-10%

Associated Samples:
Batch GN14091: C35156-1
(*) Outside of QC limits

8.3

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MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35156
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP6624/GN14081	C35072-1	ug/l	0.31 U	25	23.1	92.4	80-120%

Associated Samples:
Batch GP6624: C35156-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35156
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP6624/GN14081	C35072-1	ug/l	0.31 U	25	23.2	0.4	15%

Associated Samples:
Batch GP6624: C35156-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits