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Farmington, CT 06032

United Technologies

Transmitted via Email

15 January 2016

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

RE: Monitoring Well 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 Sampling Report is enclosed.

If you have any questions or comments, please contact me.

Sincerely,
United Technologies Corporation

D. A. Bilder, Jr.
Environment, Health & Safety

Enclosure: Monitoring Well Sampling Report

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

MONITORING WELL SAMPLING REPORT

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

EnSafe Project Number:
0888817231

Prepared for:

United Technologies Corporation
United Technologies Building
Hartford, Connecticut 06101

Prepared by:

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January 2016

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January 2016

PROFESSIONAL GEOLOGIST
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STATE OF CALIFORNIA

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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
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
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

1.0 INTRODUCTION

EnSafe Inc. has prepared this Monitoring Well 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 July and October 2015. 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 1.5 miles to the southeast of the 160-Acre Area. OU-2 addresses groundwater further southeast.

This report documents the results of groundwater sampling and analyses. Results of the groundwater investigation support ongoing evaluation of contamination conditions and guide additional remedial investigation activities.

2.0 BACKGROUND INFORMATION

2.1 Hydrogeologic Setting

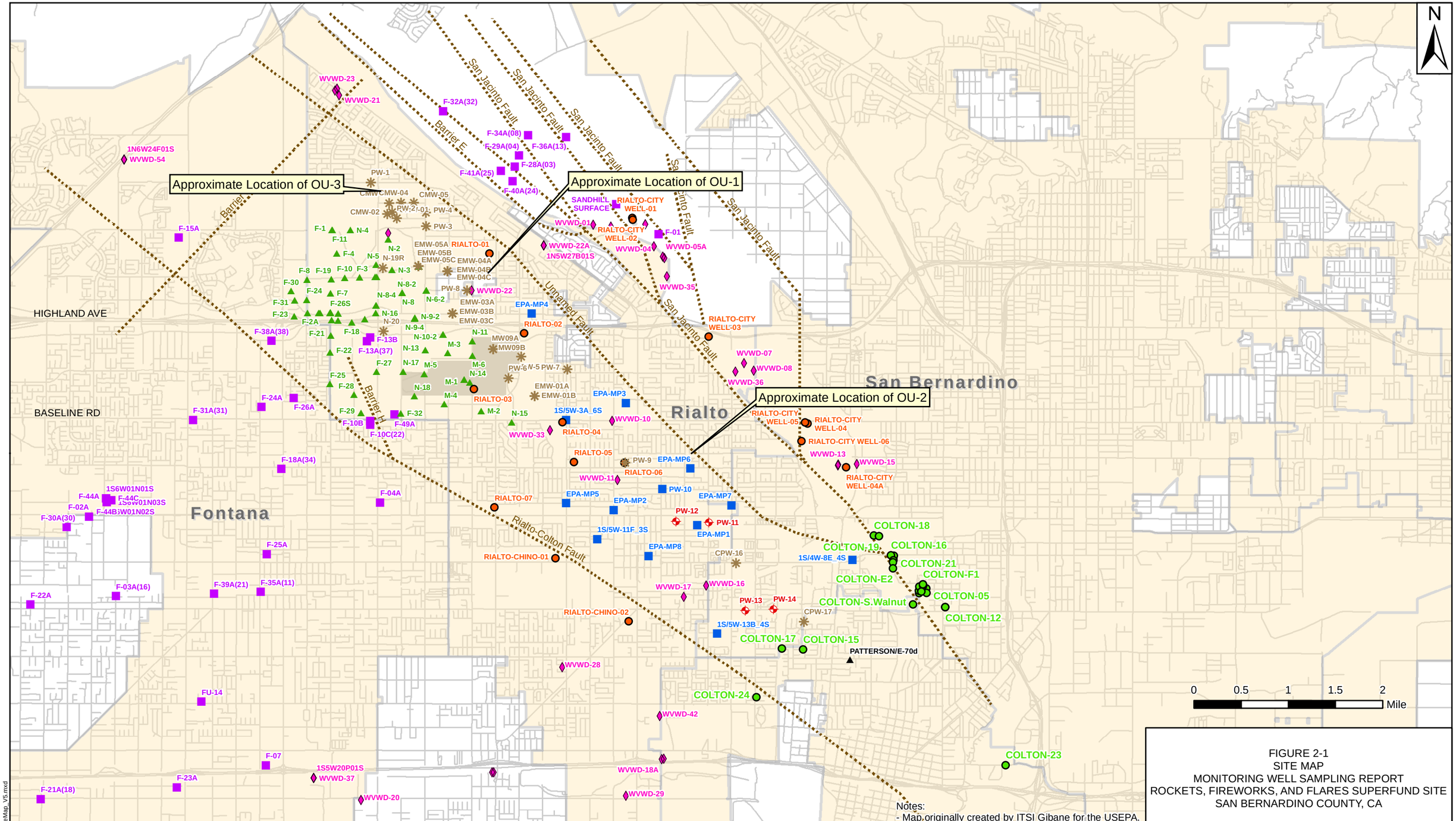
The following discussion of regional and local hydrogeology is based on three studies of the Rialto-Colton Basin (RCB) (Anderson et al., 2004; U.S. Geological Survey [USGS], 1997 and 2001), as well as reports prepared for recent investigations to determine the nature and extent of groundwater contamination.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

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

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

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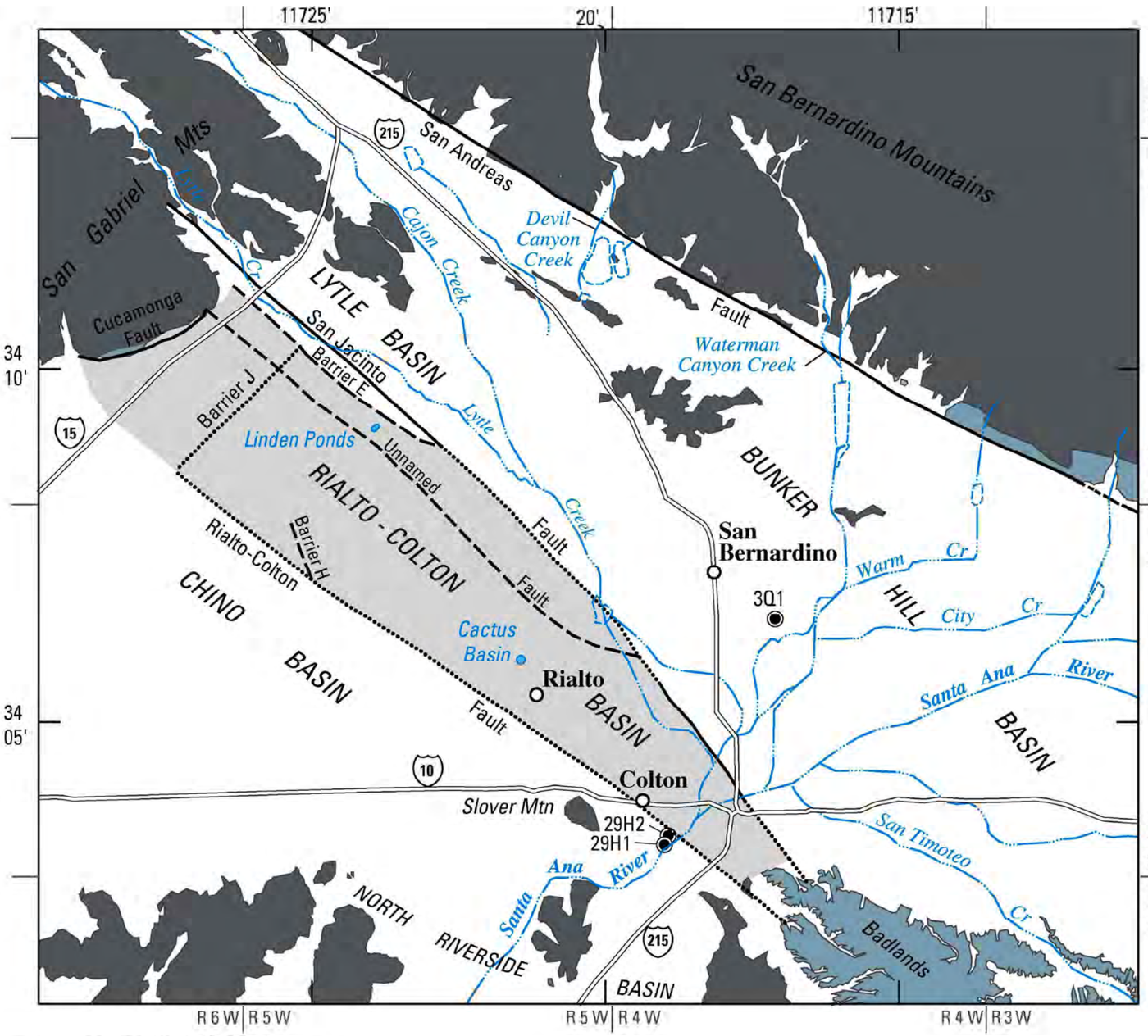

Base from U.S. Geological Survey
1:100,000 San Bernardino, 1982

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 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.

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 multi-port (MP) well MP-4 and the Rialto-2 well.

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, 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.

3.0 GROUNDWATER ELEVATION MEASUREMENT AND SAMPLING

In July/August 2015, groundwater elevation measurements and/or samples were collected from the following surrounding OU-2 wells:

1S/4W-8E*	1S/5W-3A*	1S/5W-11F*	1S/5W-13B*	EPA-MP1
EPA-MP2	EPA-MP3	EPA-MP5	EPA-MP6	EPA-MP7
EPA-MP8	PW-9	PW-10	PW-11	PW-12
PW-13	PW-14	CPW-16	CPW-17	

** - Indicates a well cluster*

In October 2015, groundwater elevation measurements and samples were collected from PW-13 and PW-14, while groundwater elevation measurements were also collected at CPW-16.

3.1 Groundwater Elevation Measurements

Wells within the OU-2 monitoring network are either conventional monitoring wells or MP wells featuring several isolated screened intervals and are shown in Figure 3-1. 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.

3.2 Groundwater Sampling

3.2.1 Conventional Well Sample Collection

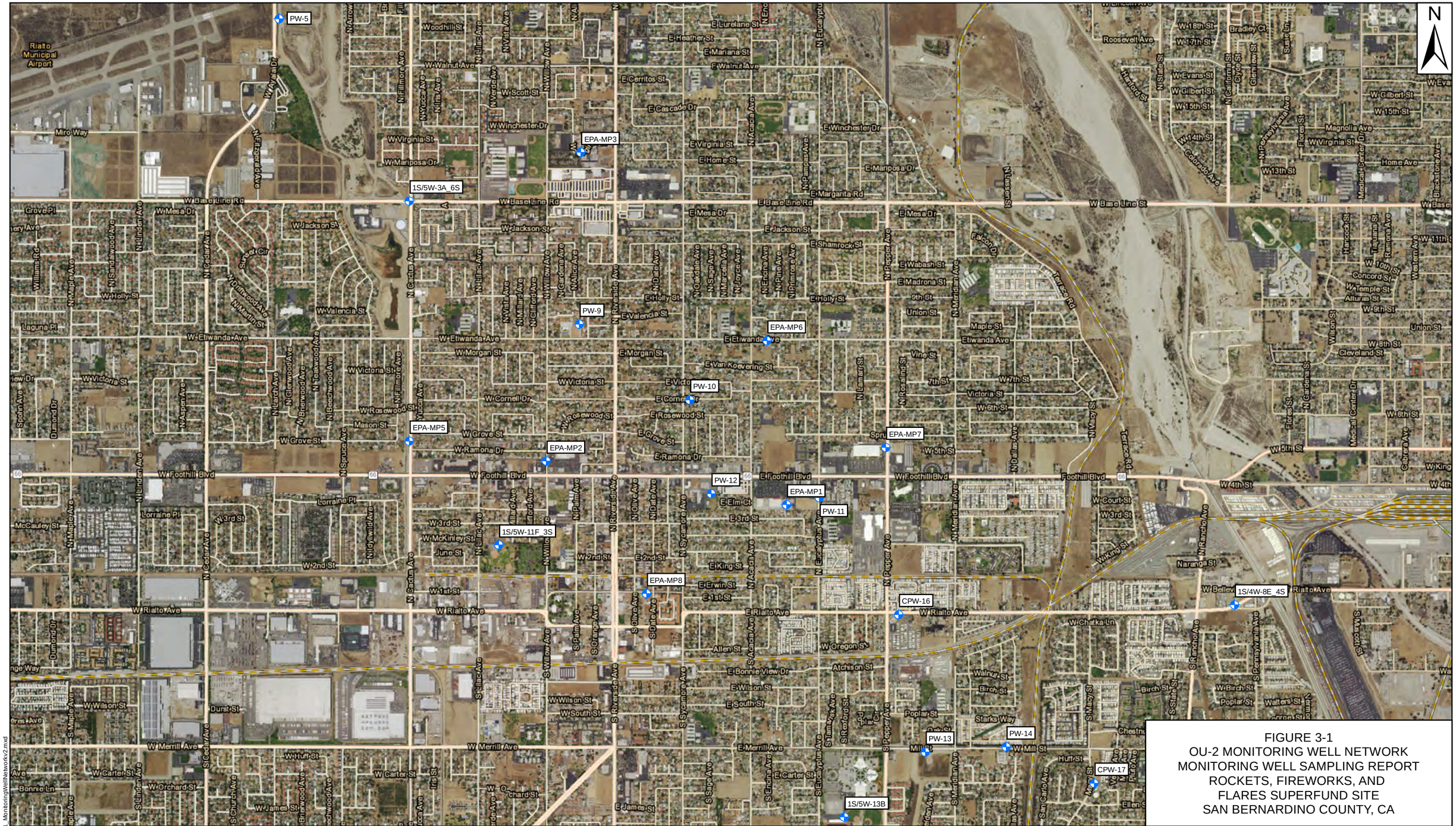
Conventional wells (1S/4W-8E1S, 1S/4W-8E3S, 1S/4W-8E4S, 1S/5W-3A5S, 1S/5W-3A6S, 1S/5W-3A7S, 1S/5W-11F3S, 1S/5W-11F4S, 1S/5W-13B2S, 1S/5W-13B3S, 1S/5W-13B4S) were sampled using the HydraSleeve sampling method. Standard Operating Procedures (SOPs) for conducting HydraSleeve sampling are presented in Appendix A. Wells 1S/4W-8E2S, 1S/5W-11F1S, and 1S/5W-13B5S were sampled with a double check-valve bailer due to HydraSleeves tearing while being retrieved from the well column.

At three monitoring well locations (1S/4W-8E3S, 1S/5W-3A6S, and 1S/5W-11F4S), groundwater samples were collected using a HydraSleeve and a double check-valve bailer as requested by U.S. Environmental Protection Agency (U.S. EPA) to evaluate the potential for detections of 1,2-dichloroethane (1,2-DCA) in conventional monitoring wells originating in HydraSleeve sampling equipment. The samples from the double check-valve bailers were analyzed for volatile organic compounds (VOCs). Results are presented in Table 4-2.

3.2.2 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. SOPs for conducting MP well sampling are presented in Appendix A.

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 B. 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 Remedial Investigation/Feasibility Study (RI/FS) Work Plan.


N
PW-5
EPA-MP3
1S/5W-3A_6S
PW-9
EPA-MP6
PW-10
EPA-MP5
EPA-MP7
EPA-MP2
PW-12
EPA-MP1
PW-11
1S/5W-11F_3S
EPA-MP8
CPW-16
1S/4W-8E_4S
PW-13
PW-14
CPW-17
1S/5W-13B
Rialto Municipal Airport
W Base Line Rd
W Foothill Blvd
W Rialto Ave
W Etiwanda Ave
W Merrill Ave
W Mariposa Dr
W Virginia St
W Jackson St
W Valencia St
W Victoria St
W Rosewood St
W Grove St
W Ramona Dr
W Cornell Dr
W Morgan St
W Winchester Dr
W Walnut Ave
W Scott St
W Mesa Dr
W Holly St
W Wilson St
W Carter St
W Orchard St
W James St
W Huff St
W Court St
W 3rd St
W 2nd St
W 1st St
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W 10th St
W 11th St
W 13th St
W 14th St
W 15th St
W 17th St
W 18th St
W Evans St
W Gilbert St
W Virginia St
W Chatka Ln
W Oregon St
W Bonnie View Dr
W Wilson St
W South St
W Merrill Ave
W Carter St
W Orchard St
W James St
W Huff St
W Court St
W 3rd St
W 2nd St
W 1st St
W Mill St
W 4th St
W 5th St
W 6th St
W 7th St
W 9th St
W 10th St
W 11th St
W 13th St
W 14th St
W 15th St
W 17th St
W 18th St
W Evans St
W Gilbert St
W Virginia St
W Base Line St
W Base Line Rd
W Rialto Ave
W Etiwanda Ave
W Foothill Blvd

3.3 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 C.

4.0 GROUNDWATER ELEVATIONS MEASUREMENTS AND SAMPLING RESULTS

4.1 Groundwater Elevation Measurement Results

Groundwater elevation measurements collected during the 2015 sampling events are included in Table 4-1. A potentiometric surface map was created for the July/August 2015 gaging event, and is included as Figure 4-1. Groundwater generally flows from the northwest to the southeast within OU-2, moving approximately parallel to the Rialto-Colton and San Jacinto Faults. At the southeast portion of OU-2 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.

4.2 Groundwater Sampling Results

The analytical results for the 2015 groundwater sampling events are summarized in Table 4-2. Results of each sampling event are summarized below.

July and August 2015

Of the 29 sampled wells in the July and August 2015 sampling event, only the following three wells contained concentrations of trichloroethylene (TCE) above the California MCL of 5 micrograms per liter (µg/L):

- PW-9 (482' interval)
- PW-10 (460' interval)
- 1S/5W-3A6S

Of the 29 sampled wells in the July and August 2015 sampling event, only the following 11 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' interval
- PW-9 (412', 482', 562', 718' and 808' intervals)
- PW-10 (360' and 460' intervals)
- PW-11 (355' and 450' intervals)
- PW-13 (340' interval)
- PW-14 (300', 365', and 425' intervals)
- 1S/5W-3A6S

- CPW-16 (378' and 417' intervals)

Other VOCs that were detected during the July and August sampling event include:

- 1,2-DCA
- chloroform
- cis-1,2-dichloroethene
- isopropanol
- tetrachloroethene

With the exception of 1,2-DCA in 1S/4W-8E2S, these chemicals were not detected at concentrations above their respective California MCL's. 1,2-DCA was not detected in any of the MP wells sampled by EnSafe in 2015. The results of samples collected from both double check-valve bailers and HydraSleeves did not indicate any obvious bias with regard to VOC concentrations.

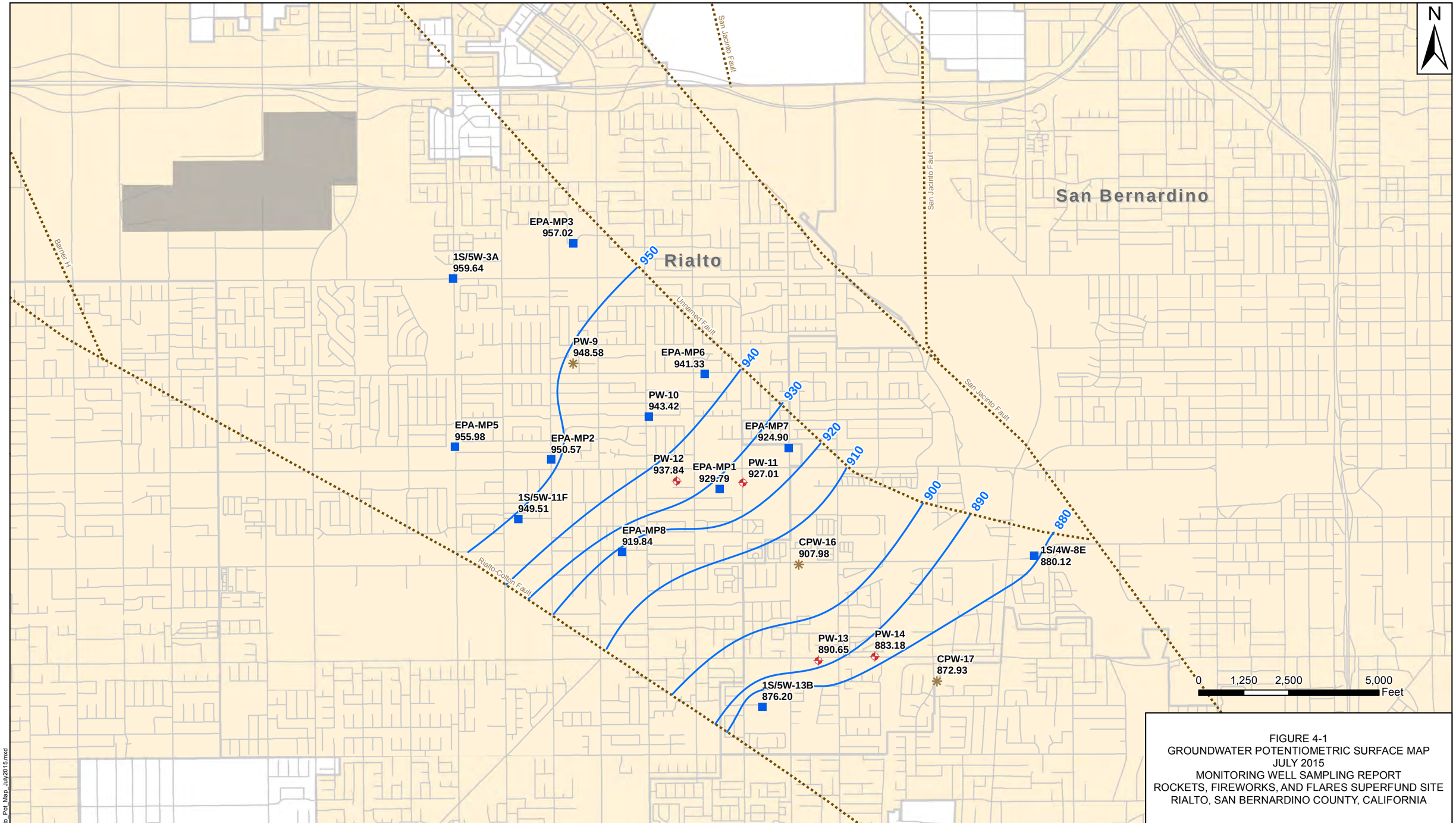

FIGURE 4-1
GROUNDWATER POTENTIOMETRIC SURFACE MAP
JULY 2015
MONITORING WELL SAMPLING REPORT
ROCKETS, FIREWORKS, AND FLARES SUPERFUND SITE
RIALTO, SAN BERNARDINO COUNTY, CALIFORNIA

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

Note:
- "C" intervals were used for Westbay wells and screen intervals of similar elevations were used for clustered wells

REQUESTED BY: M. BAVISHI	ENSAFE
DRAWN BY: A. ZIMMERMAN	1-800-588-7962 WWW.ENSAFE.COM
DATE: 12/9/2015	
PROJECT NO: 0888813841	

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Table 4-1
2015 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
	8/3/2015	1S	970-990	226.43	883.57	1,110.00	1,110.00
	8/12/2014	2S	750-770	225.79	884.21	1,110.00	1,110.00
	8/3/2015	2S	750-770	226.83	883.17	1,110.00	1,110.00
	8/12/2014	3S	577-597	226.13	883.87	1,110.00	1,110.00
	8/3/2015	3S	577-597	227.21	882.79	1,110.00	1,110.00
	8/12/2014	4S	310-330	229.00	881	1,110.00	1,110.00
	8/3/2015	4S	310-330	229.88	880.12	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
	8/5/2015	5S	660-680	398.06	959.94	1,358.00	1,358.00
	8/12/2014	6S	500-520	398.51	959.49	1,358.00	1,358.00
	8/5/2015	6S	500-520	398.36	959.64	1,358.00	1,358.00
	8/12/2014	7S	400-420	398.58	959.42	1,358.00	1,358.00
	8/5/2015	7S	400-420	398.45	959.55	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
	8/3/2015	1S	930-950	317.82	926.18	1,244.00	1,244.00
	8/12/2014	3S	422-442	295.01	948.99	1,244.00	1,244.00
	8/3/2015	3S	422-442	294.49	949.51	1,244.00	1,244.00
	8/12/2014	4S	310-330	295.18	948.82	1,244.00	1,244.00
	8/3/2015	4S	310-330	294.63	949.37	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
	8/3/2015	2S	675-695	271.95	888.05	1,160.00	1,160.00
	8/12/2014	3S	540-560	285.16	874.84	1,160.00	1,160.00
	8/3/2015	3S	540-560	284.49	875.51	1,160.00	1,160.00
	8/12/2014	4S	420-440	284.04	875.96	1,160.00	1,160.00
	8/3/2015	4S	420-440	283.80	876.2	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
	8/3/2015	5S	270-290	275.53	884.47	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
	7/30/2015	A	292-302	271.61	909.37	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
	7/30/2015	B	375-385	272.41	908.57	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
	7/30/2015	C	414-424	273.00	907.98	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
	7/30/2015	D	510-520	273.65	907.33	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	273.70	907.28	1,180.98	1,181.44
	7/30/2015	E	635-645	273.42	907.56	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
	7/30/2015	F	715-725	275.84	905.14	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
	7/30/2015	G	750-760	275.36	905.62	1,180.98	1,181.44
CPW-17	8/13/2014	A	240-250	242.82	892.26	1,135.08	1,135.98
	8/4/2015	A	240-250	242.65	892.43	1,135.08	1,135.98
	8/13/2014	B	310-320	262.11	872.97	1,135.08	1,135.98
	8/4/2015	B	310-320	262.64	872.44	1,135.08	1,135.98
	8/13/2014	C	410-420	261.61	873.47	1,135.08	1,135.98
	8/4/2015	C	410-420	262.15	872.93	1,135.08	1,135.98
	8/13/2014	D	500-510	259.73	875.35	1,135.08	1,135.98
	8/4/2015	D	500-510	259.38	875.7	1,135.08	1,135.98
	8/13/2014	E	560-570	259.93	875.15	1,135.08	1,135.98
	8/4/2015	E	560-570	259.51	875.57	1,135.08	1,135.98
	8/13/2014	F	608-618	263.48	871.6	1,135.08	1,135.98
	8/4/2015	F	608-618	262.14	872.94	1,135.08	1,135.98
	8/13/2014	G	708-718	256.83	878.25	1,135.08	1,135.98
	8/4/2015	G	708-718	254.89	880.19	1,135.08	1,135.98
EPA-MP1	8/11/2014	A	363-373	297.23	928.82	1,226.05	1,226.52
	7/20/2015	A	363-373	296.33	929.72	1,226.05	1,226.52
	8/11/2014	B	459-469	297.51	928.54	1,226.05	1,226.52
	7/20/2015	B	459-469	296.54	929.51	1,226.05	1,226.52
	8/11/2014	C	559-569	297.69	928.36	1,226.05	1,226.52

Table 4-1
2015 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)
	7/20/2015	C	559-569	296.26	929.79	1,226.05	1,226.52
	8/11/2014	D	790-740	299.18	926.87	1,226.05	1,226.52
	7/20/2015	D	790-740	297.02	929.03	1,226.05	1,226.52
	8/11/2014	E	795-805	289.97	936.08	1,226.05	1,226.52
	7/20/2015	E	795-805	288.84	937.21	1,226.05	1,226.52
EPA-MP2	8/19/2014	A	346-356	320.24	949.75	1,269.99	1,270.57
	7/21/2015	A	346-356	319.09	950.9	1,269.99	1,270.57
	8/19/2014	B	406-416	320.33	949.66	1,269.99	1,270.57
	7/21/2015	B	406-416	319.20	950.79	1,269.99	1,270.57
	8/19/2014	C	506-516	320.64	949.35	1,269.99	1,270.57
	7/21/2015	C	506-516	319.42	950.57	1,269.99	1,270.57
	8/18/2014	D	612-622	321.15	948.84	1,269.99	1,270.57
	7/21/2015	D	612-622	319.51	950.48	1,269.99	1,270.57
	8/18/2014	E	712-722	321.39	948.6	1,269.99	1,270.57
	7/21/2015	E	712-722	319.76	950.23	1,269.99	1,270.57
	8/18/2014	F	762-772	305.78	964.21	1,269.99	1,270.57
	7/21/2015	F	762-772	307.58	962.41	1,269.99	1,270.57
EPA-MP3	8/22/2014	A	454-464	406.62	956.48	1,363.10	1,363.73
	7/27/2015	A	454-464	405.67	957.43	1,363.10	1,363.73
	8/22/2014	B	590-600	406.86	956.24	1,363.10	1,363.73
	7/27/2015	B	590-600	405.85	957.25	1,363.10	1,363.73
	8/22/2014	C	684-694	407.28	955.82	1,363.10	1,363.73
	7/27/2015	C	684-694	406.08	957.02	1,363.10	1,363.73
	8/22/2014	D	811-827	408.24	954.86	1,363.10	1,363.73
	7/27/2015	D	811-827	406.70	956.4	1,363.10	1,363.73
	8/22/2014	E	897-907	408.58	954.52	1,363.10	1,363.73
	7/27/2015	E	897-907	407.19	955.91	1,363.10	1,363.73
EPA-MP5	8/19/2014	A	352-362	329.13	956.03	1,285.16	1,284.96
	7/31/2015	A	352-362	328.95	956.21	1,285.16	1,284.96
	8/19/2014	B	408-418	329.22	955.94	1,285.16	1,284.96
	7/31/2015	B	408-418	329.02	956.14	1,285.16	1,284.96
	8/19/2014	C	502-512	329.43	955.73	1,285.16	1,284.96
	7/31/2015	C	502-512	329.18	955.98	1,285.16	1,284.96
	8/19/2014	D	626-636	331.01	954.15	1,285.16	1,284.96
	7/31/2015	D	626-636	330.21	954.95	1,285.16	1,284.96
	8/19/2014	E	737-747	331.66	953.5	1,285.16	1,284.96
	7/31/2015	E	737-747	330.55	954.61	1,285.16	1,284.96
EPA-MP6	8/22/2014	A	351-361	332.71	940.7	1,273.41	1,273.66
	7/27/2015	A	351-361	331.56	941.85	1,273.41	1,273.66
	8/22/2014	B	445-455	332.91	940.5	1,273.41	1,273.66
	7/27/2015	B	445-455	331.74	941.67	1,273.41	1,273.66
	8/22/2014	C	569-579	333.40	940.01	1,273.41	1,273.66
	7/27/2015	C	569-579	332.08	941.33	1,273.41	1,273.66
	8/22/2014	D	656-666	333.76	939.65	1,273.41	1,273.66
	7/27/2015	D	656-666	332.31	941.1	1,273.41	1,273.66
	8/22/2014	E	762-772	334.03	939.38	1,273.41	1,273.66
	7/27/2015	E	762-772	331.05	942.36	1,273.41	1,273.66
EPA-MP7	8/20/2014	A	355-365	297.85	928.76	1,226.61	1,227.52
	7/30/2015	A	355-365	297.20	929.41	1,226.61	1,227.52
	8/20/2014	B	430-440	299.22	927.39	1,226.61	1,227.52
	7/30/2015	B	430-440	298.62	927.99	1,226.61	1,227.52
	8/20/2014	C	500-510	302.38	924.23	1,226.61	1,227.52
	7/30/2015	C	500-510	301.71	924.9	1,226.61	1,227.52
	8/20/2014	D	585-595	299.90	926.71	1,226.61	1,227.52
	7/30/2015	D	585-595	299.00	927.61	1,226.61	1,227.52
	8/20/2014	E	700-710	297.55	929.06	1,226.61	1,227.52
	7/30/2015	E	700-710	296.49	930.12	1,226.61	1,227.52
EPA-MP8	8/13/2014	A	345-355	299.71	920.26	1,219.97	1,221.08
	7/21/2015	A	345-355	300.19	919.78	1,219.97	1,221.08
	8/13/2014	B	395-405	299.69	920.28	1,219.97	1,221.08
	7/21/2015	B	395-405	300.13	919.84	1,219.97	1,221.08
	8/13/2014	C	490-500	299.83	920.14	1,219.97	1,221.08
	7/21/2015	C	490-500	300.13	919.84	1,219.97	1,221.08
	8/11/2014	D	605-615	305.38	914.59	1,219.97	1,221.08
	7/21/2015	D	605-615	305.18	914.79	1,219.97	1,221.08
	8/11/2014	E	720-730	305.43	914.54	1,219.97	1,221.08
	7/21/2015	E	720-730	305.15	914.82	1,219.97	1,221.08

Table 4-1
2015 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)
PW-9	8/21/2014	A	350-360	351.54	952.62	1,304.16	1,304.70
	8/4/2015	A	350-360	351.63	952.53	1,304.16	1,304.70
	8/21/2014	B	410-420	359.19	944.97	1,304.16	1,304.70
	8/4/2015	B	410-420	355.43	948.73	1,304.16	1,304.70
	8/21/2014	C	480-490	362.87	941.29	1,304.16	1,304.70
	8/4/2015	C	480-490	355.58	948.58	1,304.16	1,304.70
	8/20/2014	D	560-570	364.38	939.78	1,304.16	1,304.70
	8/4/2015	D	560-570	355.75	948.41	1,304.16	1,304.70
	8/20/2014	E	645-655	365.85	938.31	1,304.16	1,304.70
	8/4/2015	E	645-655	357.16	947	1,304.16	1,304.70
	8/20/2014	F	715-725	366.94	937.22	1,304.16	1,304.70
	8/4/2015	F	715-725	357.90	946.26	1,304.16	1,304.70
	8/20/2014	G	805-815	368.06	936.1	1,304.16	1,304.70
	8/4/2015	G	805-815	358.39	945.77	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
	7/22/2015	A	355-365	325.08	943.77	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
	7/22/2015	B	455-465	325.05	943.8	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
	7/22/2015	C	540-550	325.43	943.42	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
	7/22/2015	D	600-610	325.47	943.38	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
	7/22/2015	E	740-750	325.73	943.12	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
	7/29/2015	A	350-360	294.56	926.67	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
	7/29/2015	B	445-455	294.65	926.58	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
	7/29/2015	C	555-565	294.22	927.01	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
	7/29/2015	D	690-700	294.56	926.67	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
	7/29/2015	E	745-755	294.91	926.32	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
	7/29/2015	A	330-340	304.02	937.87	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
	7/29/2015	B	390-400	304.20	937.69	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
	7/29/2015	C	495-505	304.05	937.84	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
	7/29/2015	D	550-560	303.94	937.95	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
	7/29/2015	E	720-730	303.84	938.05	1,241.89	1,242.01
PW-13	11/20/2014	A	335-345	259.44	890.67	1,150.11	1,150.51
	7/31/2015	A	335-345	259.16	890.95	1,150.11	1,150.51
	11/20/2014	B	390-400	259.51	890.60	1,150.11	1,150.51
	7/31/2015	B	390-400	259.37	890.74	1,150.11	1,150.51
	11/20/2014	C	470-480	259.64	890.47	1,150.11	1,150.51
	7/31/2015	C	470-480	259.46	890.65	1,150.11	1,150.51
	11/20/2014	D	520-530	259.69	890.42	1,150.11	1,150.51
	7/31/2015	D	520-530	259.62	890.49	1,150.11	1,150.51
	11/20/2014	E	600-610	255.83	894.28	1,150.11	1,150.51
	7/31/2015	E	600-610	254.22	895.89	1,150.11	1,150.51

Table 4-1
2015 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)
PW-14	11/19/2014	A	295-305	293.52	876.26	1,169.78	1,170.16
	7/24/2015	A	295-305	293.15	876.63	1,169.78	1,170.16
	11/19/2014	B	360-370	291.13	878.65	1,169.78	1,170.16
	7/24/2015	B	360-370	290.62	879.16	1,169.78	1,170.16
	11/19/2014	C	420-430	287.02	882.76	1,169.78	1,170.16
	7/24/2015	C	420-430	286.6	883.18	1,169.78	1,170.16
	11/19/2014	D	520-530	286.87	882.91	1,169.78	1,170.16
	7/24/2015	D	520-530	286.46	883.32	1,169.78	1,170.16
	11/19/2014	E	600-610	278.88	890.90	1,169.78	1,170.16
	7/24/2015	E	600-610	278.28	891.50	1,169.78	1,170.16

Notes:

ft bgs feet below ground surface
ft bmp feet below measuring point
ft amsl feet above mean sea level

Table 4-2
Groundwater Analytical Results Summary
Rockets, Fireworks, and Flares Superfund Site, San Bernardino County, California

	Depth	Sample Date	CA MCL (a)		Perchlorate (µg/L) 6	1,2-Dichloroethane (µg/L) 0.5	Benzene (µg/L) 1	Chloroform (µg/L) 80	Chloromethane (µg/L) –	cis-1,2-Dichloroethene (µg/L) 6	Isopropanol (µg/L) –	Tetrachloroethene (µg/L) 5	Toluene (µg/L) 150	Trichloroethene (µg/L) 5	Trichlorofluoro-methane (µg/L) 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**	–	–
	980	08/05/2015	Sample **		–	–	–	–	–	–	–	–	–	–	–
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**	–	–
	760	08/06/2015	Sample *		–	**1.1 a**	–	–	–	–	–	–	–	–	–
1S/4W-8E3S	587	06/13/2013	Sample		–	**2.9 a**	–	–	**0.44 J**	–	–	–	–	–	–
	587	08/15/2014	Sample		–	**0.98 J a**	–	–	–	–	–	–	–	–	–
	587	08/03/2015	Sample *		NA	**0.27 J**	–	–	–	–	–	–	–	–	–
	587	08/05/2015	Sample **		–	–	–	–	–	–	–	–	–	–	–
1S/4W-8E4S	320	06/13/2013	Sample		**1.7**	–	–	–	**0.38 J**	–	–	–	–	–	–
	320	08/15/2014	Sample		–	–	–	–	**0.32 J**	–	–	–	–	–	–
	320	08/05/2015	Sample **		**1.7**	**0.3 J**	–	–	–	–	–	–	–	–	–
1S/5W-11F1S	940	06/13/2013	Sample		–	–	–	–	–	–	–	–	–	–	–
	940	08/18/2014	Sample		–	–	–	–	–	–	–	–	**0.48 J**	–	–
	940	08/06/2015	Sample *		–	–	–	–	–	–	–	–	–	–	–
1S/5W-11F3S	432	06/13/2013	Sample		–	**0.48 J**	–	–	**0.59 J**	–	–	–	–	–	–
	432	08/15/2014	Sample		–	–	–	–	–	–	–	–	–	–	–
	432	08/05/2015	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**	–	–	–
	320	08/04/2015	Sample *		NA	–	–	–	–	–	–	–	–	–	–
	320	08/05/2015	Sample **		**1.7**	–	–	–	–	–	–	–	–	–	–
1S/5W-13B2S	685	06/13/2013	Sample		–	–	**0.41 J**	–	**0.57 J**	–	–	–	–	–	–
	685	08/05/2015	Sample **		**1.4**	–	–	–	–	–	–	–	–	–	–
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**	–	–	–
	550	08/06/2015	Sample **		**4.3**	–	–	–	–	–	–	**0.44 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**	–	–	–	–	–	–	–	–	–	–
	430	08/05/2015	Sample **		**3.8**	–	–	–	–	–	–	–	–	–	–
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**	–	–	–	–	–	–	–	–	–	–
	280	08/05/2015	Sample *		**1.2**	**0.35 J**	–	–	–	–	–	**0.52 J**	–	–	–
	280	08/05/2015	Duplicate		**1.1**	**0.33 J**	–	–	–	–	–	**0.63 J**	–	–	–
1S/5W-3A5S	670	06/13/2013	Sample		–	–	–	–	**0.53 J**	–	–	–	–	–	–
	670	08/05/2015	Sample **		–	–	–	–	–	–	–	–	–	–	–
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**	–
	510	08/04/2015	Sample *		NA	–	–	–	–	–	–	–	–	**15.0 a**	–
	510	08/05/2015	Sample **		**250 a**	–	–	–	–	–	–	–	–	**14.0 a**	–
1S/5W-3A7S	410	06/13/2013	Sample		**1.6**	–	–	–	–	–	–	–	–	–	–
	410	08/15/2014	Sample		**2**	–	–	–	–	–	–	–	–	–	–
	410	08/05/2015	Sample **		**1.5**	–	–	–	–	–	–	–	–	–	–

Table 4-2
Groundwater Analytical Results Summary
Rockets, Fireworks, and Flares Superfund Site, San Bernardino County, California

	Depth	Sample Date CA MCL (a)			Perchlorate (µg/L) 6	1,2-Dichloroethane (µg/L) 0.5	Benzene (µg/L) 1	Chloroform (µg/L) 80	Chloromethane (µg/L) –	cis-1,2-Dichloroethene (µg/L) 6	Isopropanol (µg/L) –	Tetrachloroethene (µg/L) 5	Toluene (µg/L) 150	Trichloroethene (µg/L) 5	Trichlorofluoro-methane (µg/L) 150
CPW-16	295	05/21/2013	Sample		**19.4 a**	–	–	–	–	–	–	–	–	–	–
	295	05/21/2013	Duplicate	Duplicate	**19.6 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	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		–	–	–	–	–	–	–	–	–	–	–
	295	07/30/2015	Sample		**2.8**	–	–	–	–	–	–	–	–	–	–
	378	07/30/2015	Sample		**86.2 a**	–	–	–	–	–	–	–	–	**2.0**	–
	417	07/30/2015	Sample		**149 a**	–	–	–	–	–	–	–	–	**3.6**	–
	513	07/30/2015	Sample		**1.4**	–	–	–	–	–	–	–	–	–	–
	638	07/30/2015	Sample		**1.0**	–	–	–	–	–	–	–	–	–	–
	638	07/30/2015	Duplicate		–	–	–	–	–	–	–	–	–	–	–
	718	07/30/2015	Sample		**0.97 J**	–	–	–	–	–	–	–	–	–	–
	753	07/30/2015	Sample		–	–	–	–	–	–	–	–	–	–	–
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		–	–	–	–	–	–	–	–	–	–	–
	313	08/04/2015	Sample		**3.2**	–	–	–	–	–	–	–	–	–	–
	313	08/04/2015	Duplicate		**3.0**	–	–	–	–	–	–	–	–	–	–
	413	08/04/2015	Sample		**1.3**	–	–	–	–	–	–	–	–	–	–
	503	08/04/2015	Sample		–	–	–	–	–	–	–	–	–	–	–
	563	08/04/2015	Sample		–	–	–	–	–	–	–	–	–	–	–
	612	08/04/2015	Sample		**1.3**	–	–	–	–	–	–	–	–	–	–
	712	08/04/2015	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	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		–	–	–	–	–	–	–	–	–	–	–
	366	07/20/2015	Sample		**4.8**	–	–	–	–	–	–	–	–	–	–
	462	07/20/2015	Sample		**2.4**	–	–	–	–	–	**6.4 J**	–	–	–	–
	562	07/20/2015	Sample		**1.0**	–	–	–	–	–	–	–	–	–	–
	732	07/20/2015	Sample		–	–	–	–	–	–	–	–	–	–	–
	797	07/20/2015	Sample		–	–	–	–	–	–	**8.6 J**	–	–	–	–

Table 4-2
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
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	–	–	–	–	–	–	–	–	–	–
	350	07/21/2015	Sample		2.1	–	–	–	–	–	–	–	–	–	–
	410	07/21/2015	Sample		9.2 a	–	–	–	–	0.26 J	–	1.2	–	–	–
	510	07/21/2015	Sample		1.0	–	–	–	–	–	–	–	–	–	–
	614	07/21/2015	Sample		–	–	–	–	–	–	–	–	–	–	–
	714	07/21/2015	Sample		–	–	–	–	–	–	–	–	–	–	–
	764	07/21/2015	Sample		–	–	–	–	–	–	–	–	–	–	–
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	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	–	–	–	–	–	–
	457	07/27/2015	Sample		12.4 a	–	–	–	–	–	–	–	–	–	–
	592	07/27/2015	Sample		2.2	–	–	–	–	–	–	–	–	–	–
	687	07/27/2015	Sample		2.6	–	–	–	–	–	–	–	–	–	–
	814	07/27/2015	Sample		–	–	–	–	–	–	9.2 J	–	–	–	–
	899	07/27/2015	Sample		–	–	–	–	–	–	–	–	–	–	–
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	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	–	–	–	–	–	–	–	–	–	–
	357	07/31/2015	Sample		2.5	–	–	–	–	–	–	–	–	–	–
	412	07/31/2015	Sample		5.4	–	–	–	–	0.27 J	–	2.7	–	0.28 J	–
	412	07/31/2015	Duplicate		5.4	–	–	–	–	0.27 J	–	2.5	–	0.23 J	–
	507	07/31/2015	Sample		1.2	–	–	0.75 J	–	–	–	1.9	–	–	–
	630	07/31/2015	Sample		1.4	–	–	–	–	–	–	–	–	–	–
	740	07/31/2015	Sample		1.2	–	–	–	–	–	–	–	–	–	–

Table 4-2
Groundwater Analytical Results Summary
Rockets, Fireworks, and Flares Superfund Site, San Bernardino County, California

	Depth	Sample Date	CA MCL (a)			Perchlorate (µg/L) 6	1,2-Dichloroethane (µg/L) 0.5	Benzene (µg/L) 1	Chloroform (µg/L) 80	Chloromethane (µg/L) –	cis-1,2-Dichloroethene (µg/L) 6	Isopropanol (µg/L) –	Tetrachloroethene (µg/L) 5	Toluene (µg/L) 150	Trichloroethene (µg/L) 5	Trichlorofluoro-methane (µg/L) 150
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	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			–	–	–	–	–	–	–	–	–	–	–
	355	07/27/2015	Sample			**30.5 a**	–	–	–	–	–	–	–	–	–	–
	449	07/27/2015	Sample			**2.7**	–	–	–	–	–	–	–	–	–	–
	573	07/27/2015	Sample			**4.1**	–	–	–	–	–	**15.6 J**	–	–	–	–
	573	07/27/2015	Duplicate			**3.2**	–	–	–	–	–	–	–	–	–	–
	659	07/27/2015	Sample			–	–	–	–	–	–	–	–	–	–	–
	765	07/27/2015	Sample			–	–	–	–	–	–	**8.8 J**	–	–	–	–
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**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	588	08/20/2014	Sample			–	–	–	–	–	–	–	–	–	–	–
	701	08/20/2014	Sample			–	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	503	09/17/2014	Sample			**1.9**	–	–	–	–	–	–	–	–	–	–
	701	09/17/2014	Sample			–	–	–	–	–	–	–	–	–	–	–
	357	07/30/2015	Sample			**7.2 a**	–	–	–	–	–	–	–	–	–	–
	433	07/30/2015	Sample			**5.9**	–	–	–	–	–	–	–	–	–	–
	508	07/30/2015	Sample			**2.4**	–	–	–	–	–	–	–	–	–	–
	588	07/30/2015	Sample			–	–	–	–	–	–	–	–	–	–	–
	701	07/30/2015	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			–	–	–	–	–	–	–	–	–	–	–
	347	07/21/2015	Sample			**0.77 J**	–	–	–	–	–	–	–	–	–	–
	397	07/21/2015	Sample			–	–	–	–	–	–	–	–	–	–	–
	492	07/21/2015	Sample			–	–	–	–	–	–	–	–	–	–	–
	607	07/21/2015	Sample			**1.6**	–	–	–	–	–	–	–	–	–	–
	722	07/21/2015	Sample			**0.99 J**	–	–	–	–	–	–	–	–	–	–
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	Duplicate		**170 a**	–	–	–	–	–	–	–	–	**0.28 J**	–

Table 4-2
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
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		–	–	–	–	–	–	–	–	–	–	–
	412	08/04/2015	Sample		8.3 a	–	–	–	–	–	–	–	–	–	–
	482	08/04/2015	Sample		668 a	–	–	0.21 J	–	–	–	–	–	14.4 a	–
	562	08/04/2015	Sample		28.8 a	–	–	–	–	–	–	–	–	0.49 J	–
	648	08/04/2015	Sample		–	–	–	–	–	–	–	–	–	–	–
	718	08/04/2015	Sample		241 a	–	–	–	–	–	–	–	–	3.5	–
	808	08/04/2015	Sample		282 a	–	–	–	–	–	–	–	–	4.8	–
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		–	–	–	–	–	–	–	–	–	–	–
	360	07/24/2015	Sample		17 a	–	–	–	–	–	6.6 J	–	–	–	–
	460	07/24/2015	Sample		386 a	–	–	–	–	–	–	–	–	18.9 a	–
	460	07/24/2015	Duplicate		377 a	–	–	–	–	–	–	–	–	18.4 a	–
	545	07/24/2015	Sample		–	–	–	–	–	–	6 J	–	–	–	–
	605	07/24/2015	Sample		–	–	–	–	–	–	–	–	–	–	–
	745	07/24/2015	Sample		–	–	–	–	–	–	8.3 J	–	–	–	–

Table 4-2
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
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	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		–	–	–	–	–	–	–	–	–	–	–
	355	07/29/2015	Sample		**24.2 a**	–	–	–	–	–	–	–	–	**0.73 J**	–
	450	07/29/2015	Sample		**9.6 a**	–	–	–	–	–	–	–	–	–	–
	560	07/29/2015	Sample		–	–	–	–	–	–	–	–	–	–	–
	695	07/29/2015	Sample		**1.1**	–	–	–	–	–	–	–	–	–	–
	695	07/29/2015	Duplicate		–	–	–	–	–	–	–	–	–	–	–
	750	07/29/2015	Sample		–	–	–	–	–	–	–	–	–	–	–
PW-12	345	08/05/2013	Sample		**3.1**	–	–	–	–	–	–	–	–	–	–
	345	08/05/2013	Duplicate	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		–	–	–	–	–	–	–	–	–	–	–
	345	07/29/2015	Sample		**3.1**	–	–	**0.29 J**	–	–	–	–	–	–	–
	395	07/29/2015	Sample		**5.7**	–	–	–	–	–	–	–	–	–	–
	500	07/29/2015	Sample		–	–	–	–	–	–	–	–	–	–	–
	555	07/29/2015	Sample		–	–	–	–	–	–	–	–	–	–	–
	725	07/29/2015	Sample		**1.4**	–	–	–	–	–	–	–	–	–	–

Table 4-2
Groundwater Analytical Results Summary
Rockets, Fireworks, and Flares Superfund Site, San Bernardino County, California

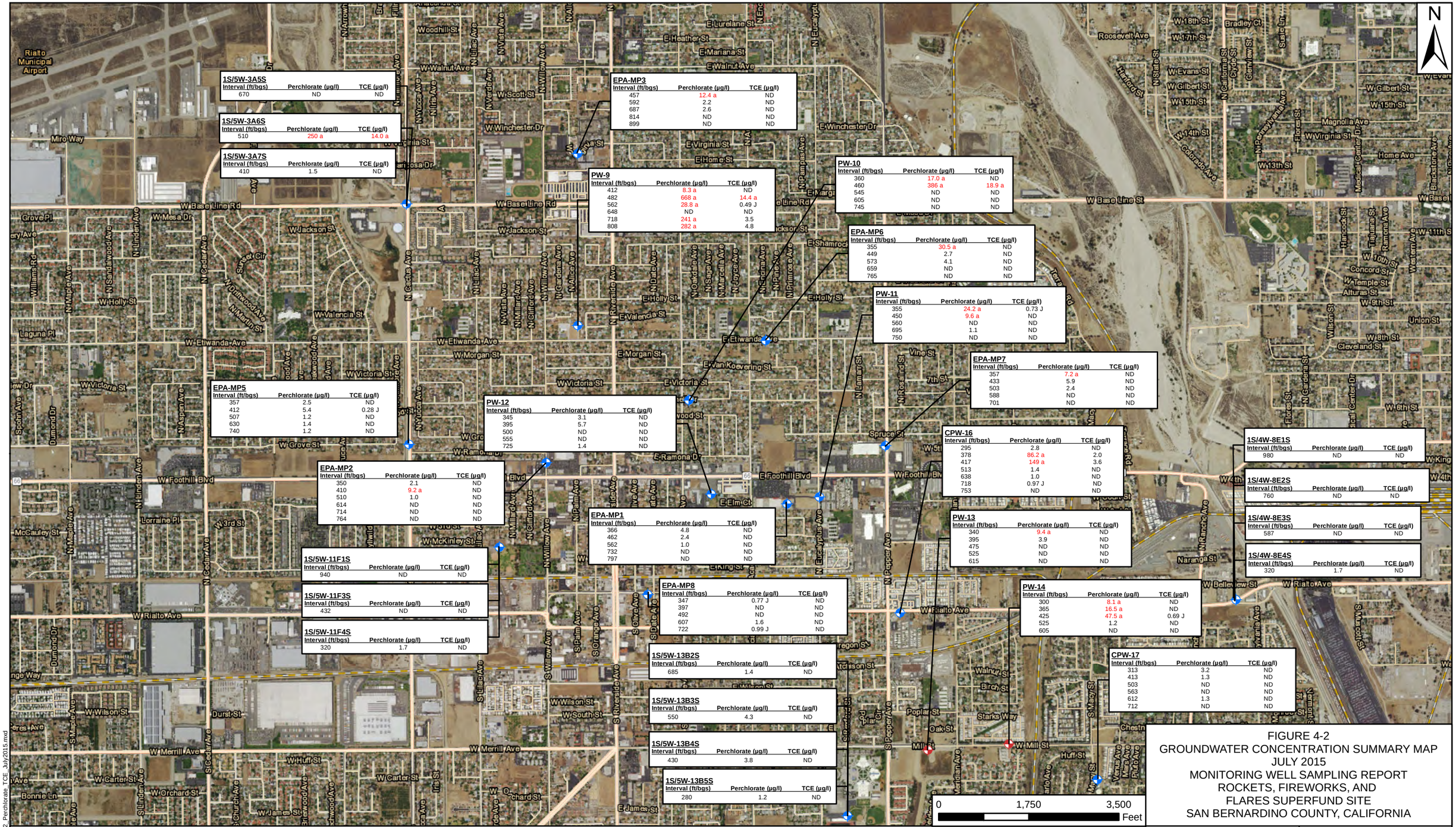
	Depth	Sample Date	CA MCL (a)		Perchlorate (µg/L) 6	1,2-Dichloroethane (µg/L) 0.5	Benzene (µg/L) 1	Chloroform (µg/L) 80	Chloromethane (µg/L) –	cis-1,2-Dichloroethene (µg/L) 6	Isopropanol (µg/L) –	Tetrachloroethene (µg/L) 5	Toluene (µg/L) 150	Trichloroethene (µg/L) 5	Trichlorofluoro-methane (µg/L) 150
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		–	–	–	–	–	–	–	–	–	–	–
	340	07/31/2015	Sample		**9.4 a**	–	–	–	–	–	–	–	–	–	–
	395	07/31/2015	Sample		**3.9**	–	–	–	–	–	–	–	–	–	–
	475	07/31/2015	Sample		–	–	–	–	–	–	–	–	–	–	–
	475	07/31/2015	Duplicate		–	–	–	–	–	–	–	–	–	–	–
	525	07/31/2015	Sample		–	–	–	–	–	–	–	–	–	–	–
	615	07/31/2015	Sample		–	–	–	–	–	–	–	–	–	–	–
	340	10/13/2015	Sample		**9.5 a**	–	–	–	–	–	–	–	–	–	–
	395	10/13/2015	Sample		**5.6**	–	–	–	–	–	–	–	–	–	–
	475	10/13/2015	Sample		–	–	–	–	–	–	–	–	–	–	–
	525	10/13/2015	Sample		–	–	–	–	–	–	–	–	–	–	–
	615	10/13/2015	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**	–	–	–	–
	300	07/24/2015	Sample		**8.1 a**	–	–	–	–	–	–	–	–	–	–
	365	07/24/2015	Sample		**16.5 a**	–	–	–	–	–	–	–	–	–	–
	425	07/24/2015	Sample		**47.5 a**	–	–	–	–	–	**6.4 J**	–	–	**0.69 J**	–
	525	07/24/2015	Sample		**1.2**	–	–	–	–	–	**5.2 J**	–	–	–	–
	605	07/24/2015	Sample		–	–	–	–	–	–	**6.1 J**	–	–	–	–
	300	10/12/2015	Sample		**9.7 a**	–	–	–	–	–	–	–	–	–	–
	300	10/12/2015	Duplicate		**10.2 a**	–	–	–	–	–	–	–	–	–	–
	365	10/12/2015	Sample		**18.6 a**	–	–	–	–	–	–	–	–	–	–
	425	10/12/2015	Sample		**49.7 a**	–	–	–	–	–	–	–	–	**0.91 J**	–
	525	10/12/2015	Sample		–	–	–	–	–	–	–	–	–	–	–
	605	10/12/2015	Sample		–	–	–	–	–	–	–	–	–	–	–

Notes:
CA MCL - California maximum contaminant level
µg/L = micrograms per liter
J Estimated Value
– = Non-detect
* = Samples Collected with Double Check Valve Bailer
** = Samples Collected with HydraSleeve
NA = Not Analyzed
a = Exceedances of California MCL

October 2015

Of the two sampled wells (PW-13 and PW-14) in the October 2015 sampling event, perchlorate was detected above the California MCL of 6 µg/L in PW-13 (340' interval) and PW-14 (300', 365' and 425' intervals). The highest concentration of perchlorate was detected in PW-14 (49.7 µg/L) while the concentration of perchlorate detected in PW-13 (9.5 µg/L) was slightly above the California MCL. TCE was not detected above the California MCL of 5 µg/L in either well.

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



1S/5W-3A5S

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

1S/5W-3A6S

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
510	250 a	14.0 a

1S/5W-3A7S

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
410	1.5	ND

EPA-MP3

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
457	12.4 a	ND
592	2.2	ND
687	2.6	ND
814	ND	ND
899	ND	ND

PW-9

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
412	8.3 a	ND
482	668 a	14.4 a
562	28.8 a	0.49 J
648	ND	ND
718	241 a	3.5
808	282 a	4.8

PW-10

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
360	17.0 a	ND
460	386 a	18.9 a
545	ND	ND
605	ND	ND
745	ND	ND

EPA-MP6

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
355	30.5 a	ND
449	2.7	ND
573	4.1	ND
659	ND	ND
765	ND	ND

PW-11

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
355	24.2 a	0.73 J
450	9.6 a	ND
560	ND	ND
695	1.1	ND
750	ND	ND

EPA-MP7

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
357	7.2 a	ND
433	5.9	ND
503	2.4	ND
588	ND	ND
701	ND	ND

EPA-MP5

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
357	2.5	ND
412	5.4	0.28 J
507	1.2	ND
630	1.4	ND
740	1.2	ND

PW-12

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
345	3.1	ND
395	5.7	ND
500	ND	ND
555	ND	ND
725	1.4	ND

CPW-16

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
295	2.8	ND
378	86.2 a	2.0
417	149 a	3.6
513	1.4	ND
638	1.0	ND
718	0.97 J	ND
753	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	1.7	ND

EPA-MP2

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
350	2.1	ND
410	9.2 a	ND
510	1.0	ND
614	ND	ND
714	ND	ND
764	ND	ND

EPA-MP1

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
366	4.8	ND
462	2.4	ND
562	1.0	ND
732	ND	ND
797	ND	ND

PW-13

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
340	9.4 a	ND
395	3.9	ND
475	ND	ND
525	ND	ND
615	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	1.7	ND

EPA-MP8

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
347	0.77 J	ND
397	ND	ND
492	ND	ND
607	1.6	ND
722	0.99 J	ND

PW-14

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
300	8.1 a	ND
365	16.5 a	ND
425	47.5 a	0.69 J
525	1.2	ND
605	ND	ND

1S/5W-13B2S

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
685	1.4	ND

CPW-17

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
313	3.2	ND
413	1.3	ND
503	ND	ND
563	ND	ND
612	1.3	ND
712	ND	ND

1S/5W-13B3S

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
550	4.3	ND

1S/5W-13B4S

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
430	3.8	ND

1S/5W-13B5S

Interval (ft/bgs)	Perchlorate (µg/l)	TCE (µg/l)
280	1.2	ND

FIGURE 4-2
GROUNDWATER CONCENTRATION SUMMARY MAP
JULY 2015
MONITORING WELL SAMPLING REPORT
ROCKETS, FIREWORKS, AND
FLARES SUPERFUND SITE
SAN BERNARDINO COUNTY, CALIFORNIA

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

REQUESTED BY: M. BAVISHI

DRAWN BY: N. RINEHART

DATE: 12/9/2015

PROJECT NO: 0888817231

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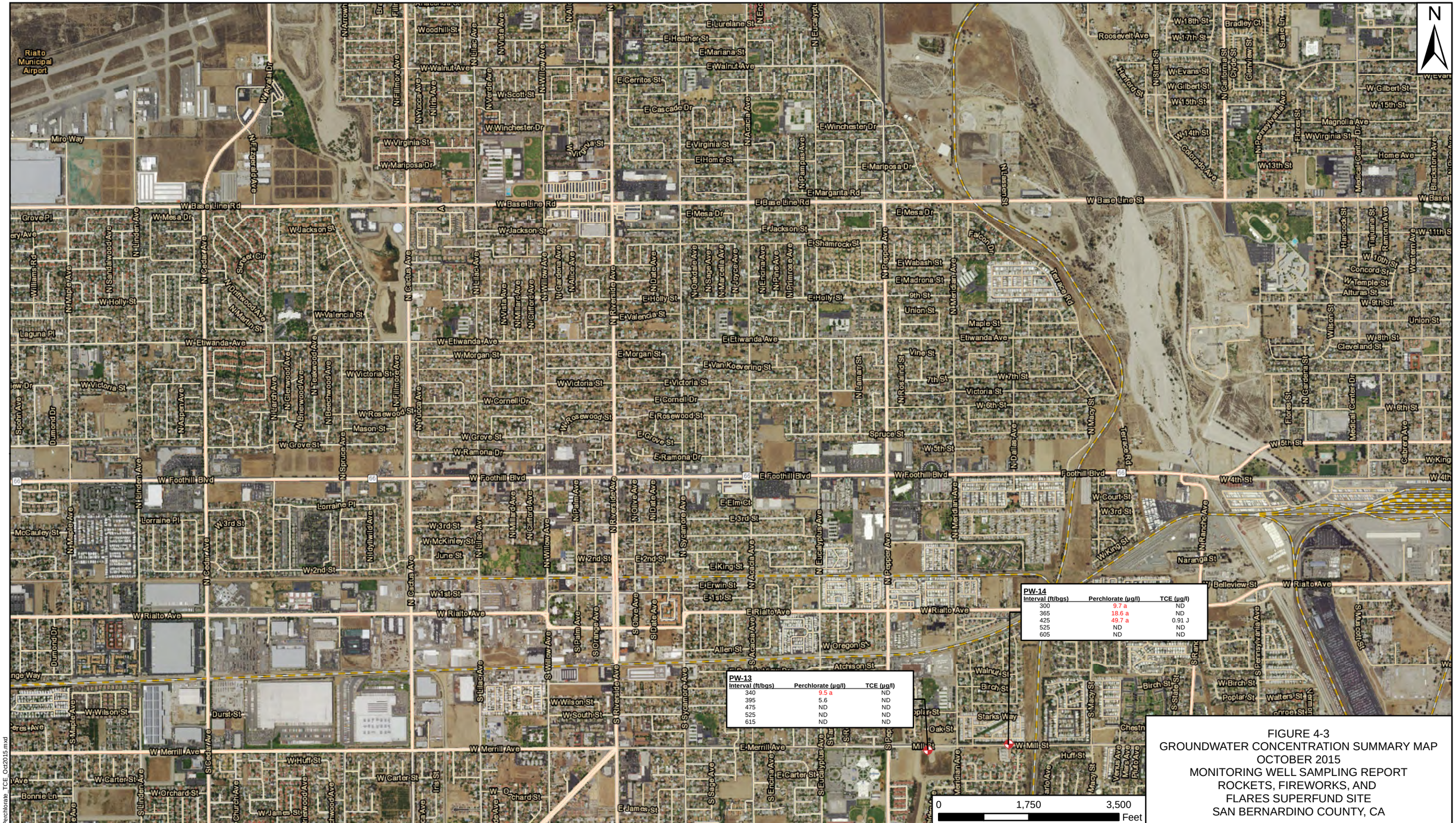
N
Rialto Municipal Airport
W Base Line Rd
W Foothill Blvd
W Rialto Ave
W Merrill Ave
W Etiwanda Ave
W Jackson St
W Valencia St
W Victoria St
W Rosewood St
W Grove St
W Ramona Dr
W Cornell Dr
W Virginia St
W Mariposa Dr
W Winchester Dr
W Walnut Ave
W Scott St
W Mesa Dr
W Holly St
W Morgan St
W Wilson St
W Carter St
W Orchard St
W James St
W Huff St
W Mill St
W 2nd St
W 3rd St
W 1st St
W Lorraine Pl
W McKinley St
W South St
W Durst St
W Merrill Ave
E Base Line Rd
E Foothill Blvd
E Rialto Ave
E Mariposa Dr
E Margarita Rd
E Mesa Dr
E Jackson St
E Shamrock St
E Wabash St
E Madrona St
E Holly St
E Valencia St
E Etiwanda Ave
E Morgan St
E Van Koevering St
E Victoria St
E Cornell Dr
E Rosewood St
E Grove St
E Ramona Dr
E Elm Ct
E 3rd St
E 2nd St
E King St
E Erwin St
E 1st St
E Home St
E Cerritos St
E Cascade Dr
E Heather St
E Mariana St
E Lurelane St
E Merrill Ave
E Carter St
E James St
W Oregon St
Atchison St
Allen St
Walnut St
Birch St
Starks Way
Oak St
Mill St
Huff St
Poplar St
Walters St
Chestnut St
Union St
Vine St
Maple St
Etiwanda Ave
Spruce St
Court St
Narango St
Belleview St
Foothill Blvd
Base Line St
Terrace Rd
Falcon Dr
Roosevelt Ave
Bradley Ct
Magnolia Ave
Home Ave
Concord St
Temple St
Alturas St
Cleveland St
Lorraine Pl
McCauley St
Durst St
Bonnie Ln
Laguna Pl
Grove Pl
Williams Rd
Miro Way
W Ayala Dr
N Fitzgerald Ave
N Cedar Ave
N Cactus Ave
N Riverside Ave
N Lilac Ave
N Willow Ave
N Pepper Ave
N Meridian Ave
N Mesa Dr
N Jackson St
N Shamrock St
N Wabash St
N Madrona St
N Holly St
N Valencia St
N Etiwanda Ave
N Morgan St
N Victoria St
N Rosewood St
N Grove St
N Ramona Dr
N Cornell Dr
N Foothill Blvd
N Rialto Ave
N Merrill Ave
N Mesa Dr
N Base Line Rd
N Sassafras St
N Macy St
N Dallas Ave
N Rancho Ave
N Pepper Ave
N Eucalyptus Ave
N Sycamore Ave
N Date Ave
N Olive Ave
N Riverside Ave
N Willow Ave
N Lilac Ave
N Clifford Ave
N Millard Ave
N Vista Ave
N Gardena Ave
N Alice Ave
N Oakdale Ave
N Sage Ave
N Marcella Ave
N Joyce Ave
N Encina Ave
N Pine Ave
N Primrose Ave
N Lamar St
N Rosalind St
N Pampas Ave
N Acacia Ave
N Eucalyptus Ave
N Fillmore Ave
N Yucca Ave
N Iris Ave
N Verde Ave
N Lilac Ave
N Vista Ave
N Willow Ave
N Arrowhead Ave
N Maple Ave
N Linden Ave
N Sandalwood Ave
N Larch Ave
N Glenwood Ave
N Teakwood Ave
N Beechwood Ave
N Aspen Ave
N Spruce Ave
N Linden Ave
N Maple Ave
N Idyllwild Ave
N Cedar Ave
N Cactus Ave
N Riverside Ave
N Palm Ave
N Olive Ave
N Date Ave
N Sycamore Ave
N Willow Ave
N Eucalyptus Ave
N Pepper Ave
N Meridian Ave
N Rancho Ave
N Pennsylvania Ave
N State St
N California St
Clyde St
Glen View St
Flores St
Medical Center Dr
Hancock St
Tajiara St
Ramona Ave
Western Ave
Blackstone Ave
Cabrera Ave
Wilson St
Gardena St
S Maple Ave
S Linden Ave
S Cedar Ave
S Cactus Ave
S Lilac Ave
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S Date Ave
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S Eucalyptus Ave
S Macy St
S Pennsylvania Ave
S State St
S Rancho Ave
Venus Ave
Mars Ave
Pluto Ave
Mercury Ave
Jupiter Ave
Saturn Ave
Uranus Ave
Neptune Ave
Pluto Ave
Iris St
Bradley Ct
Glen View St
Clyde St
Colorado Ave
Terrace Rd
Falcon Dr
Sassafras St
Eucalyptus Ave
Pepper Ave
Meridian Ave
Macy St
Dallas Ave
Rancho Ave
Pennsylvania Ave
State St
Flores St
Medical Center Dr
Hancock St
Tajiara St
Ramona Ave
Western Ave
Blackstone Ave
Cabrera Ave
Wilson St
Gardena St
Lilac Ave
Willow Ave
Riverside Ave
Sycamore Ave

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the analytical results of the 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, and 1S/5W-13B. 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, an isotopic evaluation of perchlorate sources in the RCB (ESTCP, 2015) concluded that the perchlorate in this well is 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 5-1. Further delineation of perchlorate does not appear warranted at this time; however, the origin of perchlorate previously detected in Colton-17 is being evaluated via stable isotope analyses. The results of stable isotope analyses have not yet been received but are expected in the first quarter of 2016 and will be reported 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 2015, no further delineation of OU-2 appears necessary at this time. Annual groundwater monitoring will continue through completion of the RI/FS.

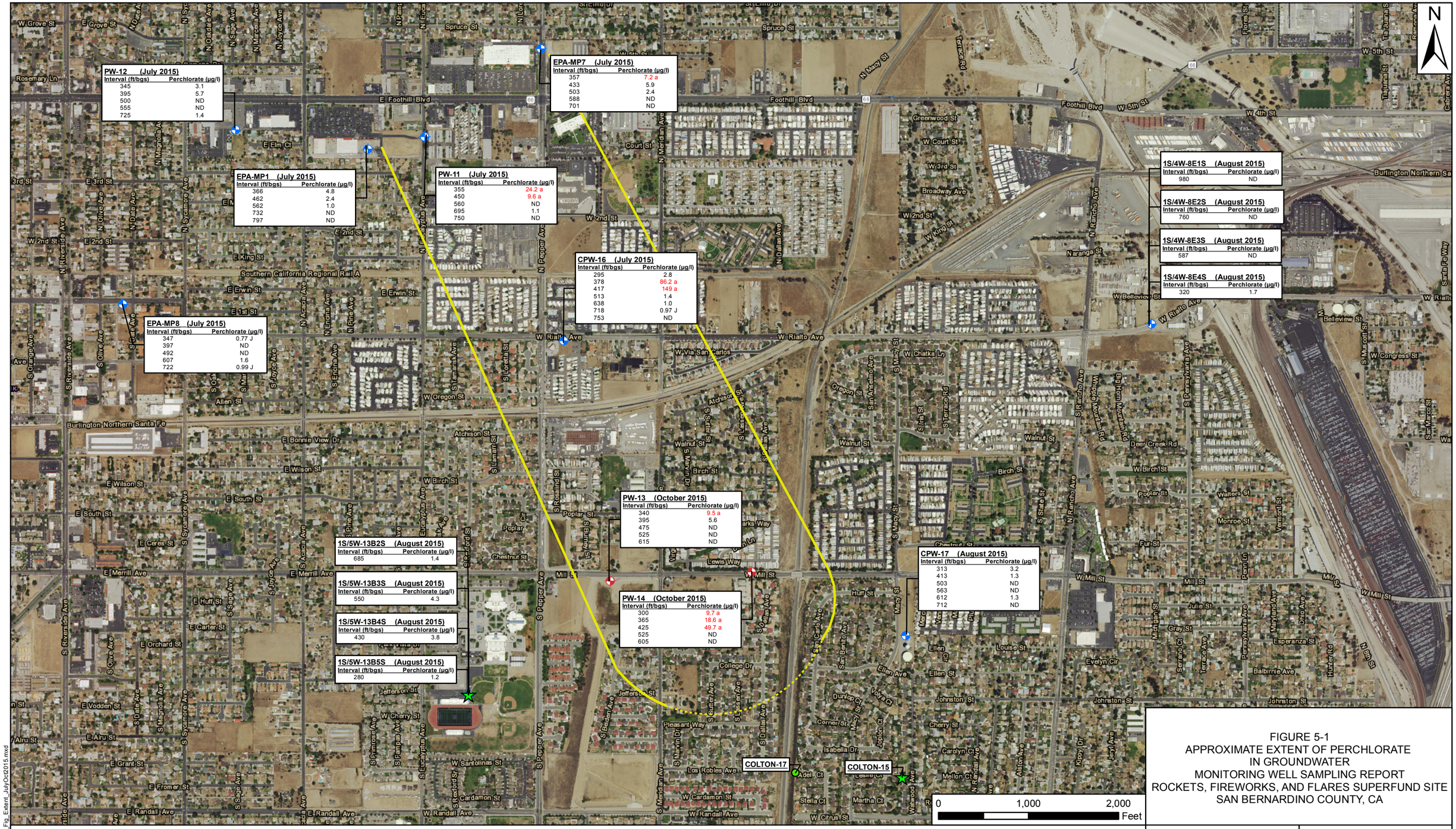

FIGURE 5-1
APPROXIMATE EXTENT OF PERCHLORATE
IN GROUNDWATER
MONITORING WELL SAMPLING REPORT
ROCKETS, FIREWORKS, AND FLARES SUPERFUND SITE
SAN BERNARDINO COUNTY, CA

Perchlorate with Non-Synthetic Signature
City of Colton Production Well
Existing Monitoring Wells
Recently Installed Monitoring Wells
Approximate Extent of Synthetic Perchlorate in Groundwater Above MCL
Uncertain Extent of 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

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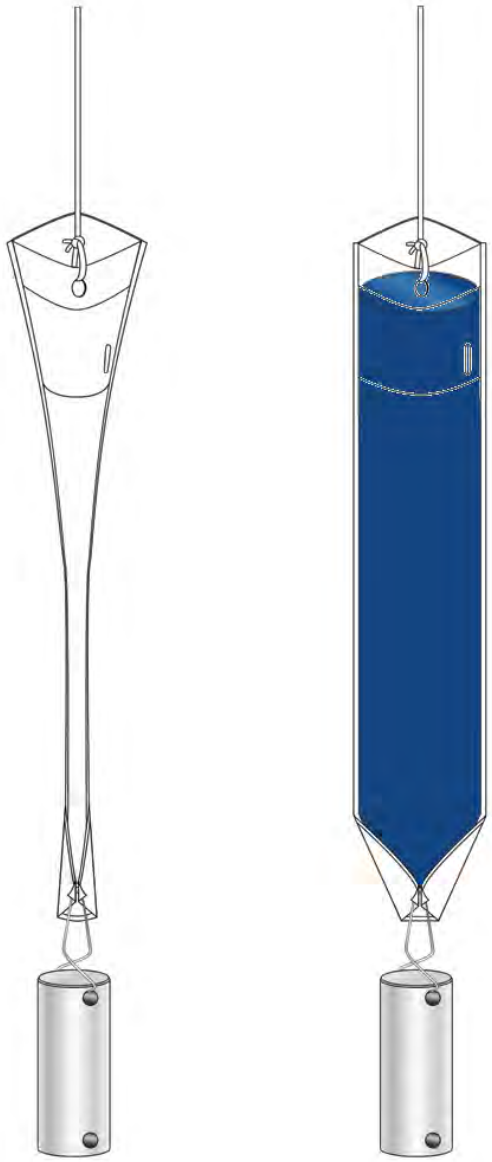
Appendix A
Well Sampling Standard Operating Procedures

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.

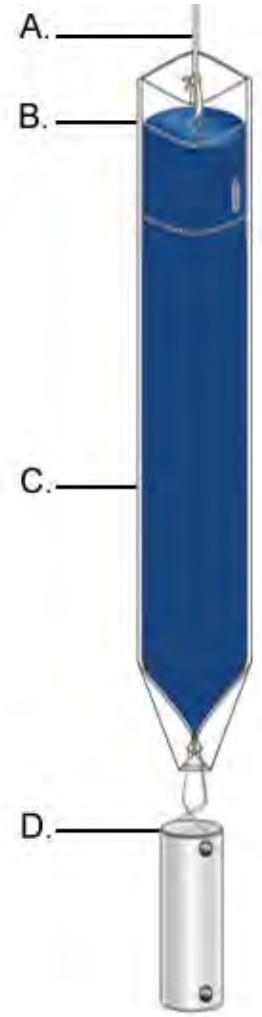

Figure 1. HydraSleeve components.

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.

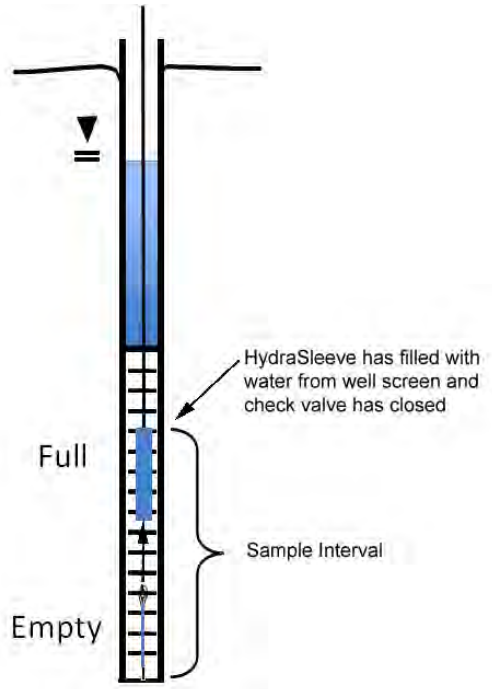

Figure 2. Correct placement of HydraSleeve.

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.

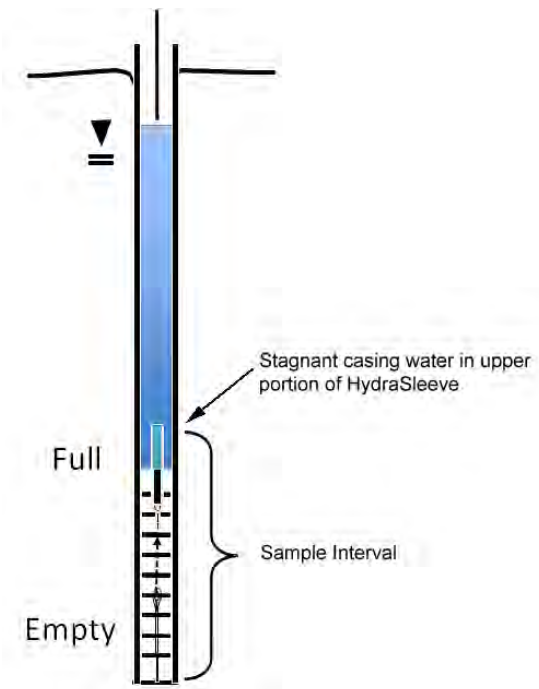

Figure 3. Incorrect placement of HydraSleeve.

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

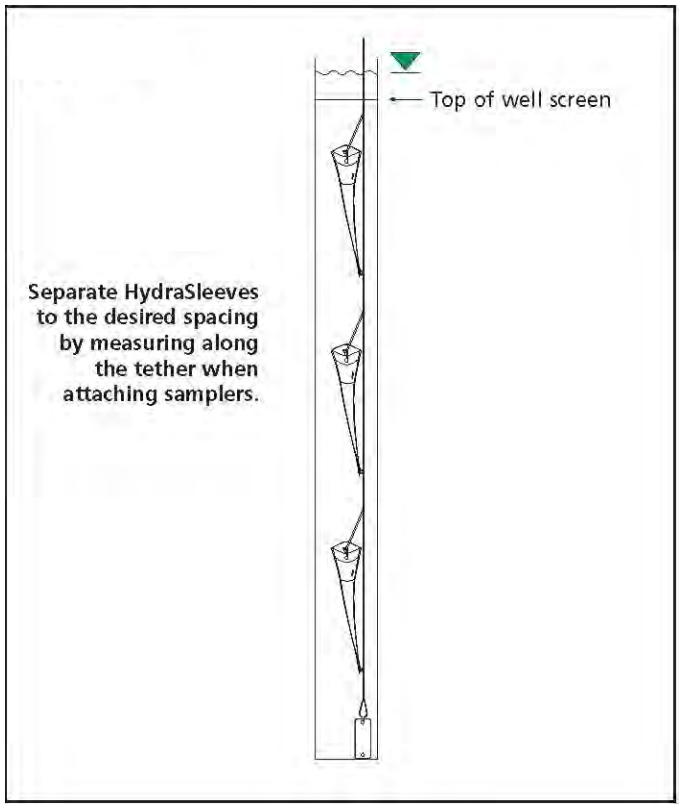

Figure 4. Multiple HydraSleeve deployment.

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).

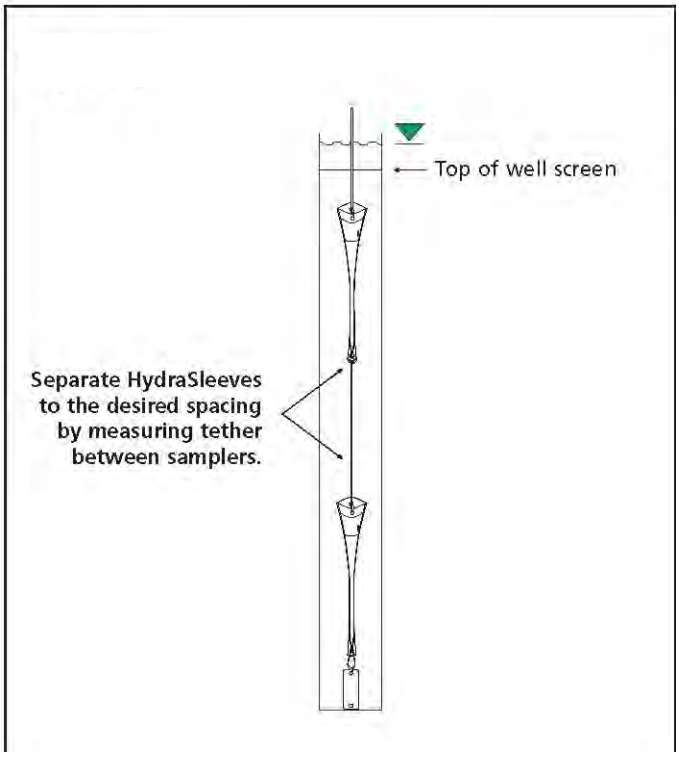

Figure 5. Alternative method for deploying multiple HydraSleeves.

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.

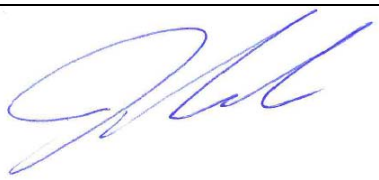
- Once the tool has been retrieved at the surface, the sample will be immediately decanted to the appropriately cold laboratory prepared containers. The first portion of the sample drawn from each depth interval will be used to measure field parameters (temperature, pH, EC, DO, and turbidity). All measurements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

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-9
DATE: 08/04/15
LOCATION: 206 W. Etiwanda, Rialto
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE Westbay
SERIAL NO. EMS 4755
PROJECT OTC @ Rialto
OPERATOR(S) T. Hoag
ATM. PRESSURE (Patm): (start) 14.10 (finish) 14.05
Start: 25.77°C End: 20.70°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)				
SUC	467	467	81.99	69.91	81.99	18.23				0910
LQC	497	497	89.20	75.11	89.20	18.52				0908
B	412	412	52.11	38.62	52.11	18.06	56.57	355.43	412	0913
SQC	397	397	36.01	21.96	36.01	18.01				0915
LQC	427	427	58.31	52.08	58.31	18.09				0911
A	352	352	26.09	14.26	26.09	18.00	0.37	351.63	352	0913
SQC	337	337	19.60	16.77	19.60	17.91				0920
LQC	367	367	32.63	25.03	32.63	17.96				0918

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-9
DATE: 08/04/15
LOCATION: 200 W. Etiwanda, Rialto
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE
SERIAL NO. EM54755
PROJECT UTC @ Rialto
OPERATOR(S) T. Hoang
ATM. PRESSURE (Patm): (start) 14.10 (finish) 14.05

Start: 25.77°C End: 20.70°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)				
G	808	804	223.83	208.99	223.83	20.15	449.61	358.39	808	0835
SQC	793	793	217.26	202.62	217.26	19.47				0839
LQC	823	823	230.26	215.19	230.26	20.66				0831
F	718	~~718~~ 718	184.80	170.19	184.80	19.14	360.10	357.90	718	0845
SQC	703	703	178.33	163.87	178.33	19.10				0847
LQC	733	733	191.35	177.44	191.35	19.17				0843
E	648	648	154.41	140.17	154.41	19.02	290.84	357.16	648	0852
SQC	633	633	147.99	134.12	147.99	19.02				0854
LQC	663	663	160.97	146.84	160.97	19.01				0850
D	562	562	117.39	103.50	117.39	18.77	206.25	355.75	562	0900
SQC	547	547	110.94	97.53	110.94	18.65				0903
LQC	577	577	124.04	110.46	124.04	18.85				0857
C	482	482	82.66	68.90	82.66	18.30	126.42	355.58	482	0905

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-9
SAMPLING DATE(S) 08/04/15
LOCATION: 200 W. Etiwanda, Rialto, CA
WATER LEVEL INSIDE CASING: 330.09
ATM. PRESSURE (PSI): (Start) 14.16 (Finish) 14.05

PROBE TYPE Westbay
SERIAL NO. EMS 9755
PROJECT: UTC @ Rialto
OPERATOR(S) T. Hoare
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)~~ mg/L	Sample Time	Sample ID
G	1	✓	✓	✓	✓	✓	223.83	✓	208.99	✓	208.99	✓	223.83	22.0	374.3	6.08	0.2	5.02	0925	PW96808
F	1	✓	✓	✓	✓	✓	184.73	✓	170.22	✓	170.22	✓	184.73	21.2	297.4	7.18	0.4	3.69	0945	PW96718
E	1	✓	✓	✓	✓	✓	154.34	✓	140.18	✓	140.18	✓	154.34	21.0	273.3	7.94	0.1	4.09	1015	PW96648
D	1	✓	✓	✓	✓	✓	117.33	✓	103.49	✓	103.49	✓	117.33	22.0	177.2	8.90	0.3	3.72	1045	PW96568
C	1	✓	✓	✓	✓	✓	82.59	✓	68.87	✓	68.87	✓	82.59	22.1	295.2	8.46	0.2	2.83	1100	PW96482
B	1	✓	✓	✓	✓	✓	52.09	✓	38.63	✓	38.63	✓	52.09	22.8	268.7	8.23	0.1	2.45	1125	PW96412
A	1	✓	✓	✓	✓	✓	25.97	✓	14.25	✓	14.25	✓	25.97	port is dry - no sample -						~~PW96352~~

Comments: DUP @ PW96352
FB - @ 1145

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-10
DATE: 07/22/15
LOCATION: 311 E Cornell Dr Rialto
ELEV. TOP OF WASTBAY CASING
WEATHER: Overcast

PROBE TYPE Westbay
SERIAL NO. EM52469
PROJECT BF Good - UTC Rialto
OPERATOR(S) T. Hoang Joseph G.
ATM. PRESSURE (Patm): (start) 13.85 (finish) 13.87

Start: 25.98°C End: 20.91°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	758	203.59	201.55	203.59	20.91				0810
E	743	744	198.10	194.72	198.10	20.86	417.27	325.73	743	0813
SQC	728	728	191.62	188.54	191.62	20.83				0815
LQC	618	619	143.76	140.69	143.76	20.29				0817
D	603	604	137.17	134.15	137.17	19.76	277.53	325.47	603	0820
SQC	588	588	130.66	127.70	130.66	19.49				0823
LQC	558	558	117.47	114.72	117.47	19.34				0825
C	543	544	111.06	108.16	111.06	19.05	217.57	325.43	543	0827
SQC	528	529	104.53	101.84	104.53	18.85				0829
LQC	473	474	80.49	77.95	80.49	18.63				0831
B	458	459	74.10	71.48	74.10	18.41	132.95	325.05	458	0833
SQC	443	445	67.78	65.45	67.78	18.35				0834
LQC	373	374	37.04	35.16	37.04	18.08				0835

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-10
DATE: 07/22/15
LOCATION: 311 E. Cornell Dr, Rialto, CA
ELEV. TOP OF WASTBAY CASING
WEATHER: Overcast

PROBE TYPE Westbay
SERIAL NO. EMS 2169
PROJECT BF Goodrich - UTC
OPERATOR(S) T. Hoang Joseph G
ATM. PRESSURE (Patm): (start) 13.85 (finish) 13.87

Start: 25.98°C End: 20.91

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
A	358	359	30.51	28.12	30.51	18.04	32.92	325.08	358	0837
SQC	343	343	23.94	20.74	23.94	17.98				0839

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: DW-10
SAMPLING DATE(S) 07/22/15 — 07/24/15
LOCATION: 311E Cornell Rio Ito
WATER LEVEL INSIDE CASING: 325.73
ATM. PRESSURE (PSI): (Start) 13.85 (Finish) 13.87

PROBE TYPE Westbay
SERIAL NO. EMS2169
PROJECT: OTC
OPERATOR(S) T. Ito & Joseph G
WEATHER Overcast

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	✓	✓	✓	✓	✓	198.15	✓	194.78	✓	194.78	✓	198.15	24.7	341.9	6.35	0.49	3.11	0805	PW106745
D	1	✓	✓	✓	✓	✓	136.43	✓	134.15	✓	134.15	✓	136.43	20.9	267.3	6.92	0.49	3.91	0835	PW106605
G	1	✓	✓	✓	✓	✓	110.45	✓	108.11	✓	108.11	✓	110.45	20.6	289.7	7.95	2.17	2.71	0850	PW106545
B	1	✓	✓	✓	✓	✓	73.42	✓	71.33	✓	71.33	✓	73.42	21.9	416.5	7.88	0.74	1.24	0910	PW106460
A	1	✓	✓	✓	✓	✓	29.81	✓	28.05	✓	28.05	✓	29.81	21.3	510.2	7.74	0.38	3.90	0935	~~PW106355~~ PW106360

Comments: DUP @ PW106460 @ 0910

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-11

DATE: 07/29/15

LOCATION: 965 N. Eucalyptus Ave Rialto

ELEV. TOP OF WASTBAY CASING

WEATHER: Clear

PROBE TYPE Westbay

SERIAL NO. EMS 2169

PROJECT Ensafe @ Rialto

OPERATOR(S) T. Hoang Gauth J.

ATM. PRESSURE (Patm): (start) 13.95 (finish) 13.99

Start: 24.81°C End: 18.66°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	765	218.41	213.60	218.41	21.91				0737
E	748	751	212.60	210.35	212.60	21.62	453.09	294.91	748	0740
SQC	733	735	206.07	204.13	206.07	21.53				0742
LQC	708	709	195.27	193.34	195.27	21.37				0744
D	693	695	188.70	186.66	188.70	21.17	398.44	294.56	693	0746
SQC	678	680	182.30	180.51	182.30	21.03				0747
LQC	573	575	136.47	135.41	136.47	20.59				0749
C	558	560	130.09	128.29	130.09	20.28	263.78	294.22	558	0751
SQC	543	546	123.46	122.14	123.46	20.04				0753
LQC	463	466	88.58	87.54	88.58	19.63				0755
B	448	451	82.08	80.42	82.08	19.26	153.35	294.65	448	0756
SQC	433	436	75.54	74.25	75.54	19.00				0758
LQC	368	371	47.26	46.16	47.26	18.50				0800

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-11

DATE: 07/29/15

LOCATION: 3165 N Eucalyptus Ave, Rialto

ELEV. TOP OF WASTBAY CASING

WEATHER: Clear

PROBE TYPE Westbay

SERIAL NO. EMS 2169

PROJECT Ensafe@Rialto UTC

OPERATOR(S) T. Hoang, Gan HJ.

ATM. PRESSURE (Patm): (start) 13.95 (finish) 13.99

Start: 24.81°C End: 18.66°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	356	40.69	39.28	40.69	18.34	58.44	294.56	353	0802
SQC	338	341	34.39	31.87	34.39	18.24				0804

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-11
SAMPLING DATE(S) 07/29/15
LOCATION: 865 N. Eucalyptus Ave. Rialto
WATER LEVEL INSIDE CASING: 29.99
ATM. PRESSURE (PSI): (Start) 13.95 (Finish) 13.99

PROBE TYPE Westbay
SERIAL NO. EMS 2169
PROJECT: Ensafe @ Rialto UTC
OPERATOR(S) T. Hoang Gan H J.
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) mg/L	Sample Time	Sample ID
E	1	✓	✓	✓	✓	✓	212.72	✓	210.46	✓	210.46	✓	212.72	20.8	254.7	9.03	32.9	3.94	0815	~~PW116699~~ PW116750 HH
D	1	✓	✓	✓	✓	✓	188.60	✓	186.60	✓	186.60	✓	188.60	21.4	348.9	7.76	220	5.21	0840	DUP116695
C	1	✓	✓	✓	✓	✓	130.07	✓	128.78	✓	128.78	✓	130.07	20.6	272.2	8.00	148	3.79	0905	PW116560 @0910 HH
B	1	✓	✓	✓	✓	✓	82.07	✓	80.40	✓	80.40	✓	82.07	20.7	304.9	7.97	292	3.23	0930	PW116450
A	1	✓	✓	✓	✓	✓	40.75	✓	39.29	✓	39.29	✓	40.75	20.9	465.9	7.83	51	3.29	0955	PW116355

Comments: DUP @ PW116695

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PIN-12

DATE: 07/29/15

LOCATION: 409E Foothill in Alley Behind BofA

ELEV. TOP OF WASTBAY CASING

WEATHER: Clear

PROBE TYPE Westbay

SERIAL NO. EMS2169

PROJECT Ensafe @ UTC Rialto

OPERATOR(S) T. Hoang, Gan H.J.

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

Start: 26.11°C End: 21.87°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	738	741	205.27	202.35	205.27	22.51				1033
E	723	727	199.12	195.62	199.12	22.20	419.16	303.84	723	1035
SQC	708	712	192.68	189.62	192.68	21.74				1039
LQC	568	572	131.82	129.41	131.82	20.92				1041
D	553	557	125.18	121.89	125.18	20.47	249.06	303.94	553	1043
SQC	538	542	118.80	115.78	118.80	20.05				1045
LQC	513	517	107.89	104.96	107.89	19.73				1047
C	498	502	101.30	98.00	101.30	19.46	193.95	304.05	498	1049
SQC	483	486	94.94	91.98	94.94	18.89				1051
LQC	408	411	62.21	59.69	62.21	18.69				1053
B	393	396	55.68	52.42	55.68	18.52	88.80	304.20	393	1055
SQC	378	381	49.08	46.41	49.08	18.41				1057
LQC	348	350	36.11	33.28	36.11	18.26				1059

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-12

DATE: 07/29/15

LOCATION: 4109 E. Rialto Foothill Blvd

ELEV. TOP OF WASTBAY CASING

WEATHER: Clear

PROBE TYPE Westbay

SERIAL NO. EMS-2169

PROJECT Ensafe @ WTC Rialto

OPERATOR(S) T. Hoang Gan H J.

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

Start: 26.11°C End: 21.87°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)				
A	333	335	29.59	26.49	29.59	18.21	28.98	304.02	333	1101
SQC	318	321	23.01	19.97	23.01	18.17				1103

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-12
SAMPLING DATE(S) 07/29/15
LOCATION: 409 E. Foothill Rialto, CA
WATER LEVEL INSIDE CASING: 303.67
ATM. PRESSURE (PSI): (Start) 13.93 (Finish) 13.94

PROBE TYPE Westbay
SERIAL NO. EMS 2169
PROJECT: ~~BF~~ Ensafe @ UTC, Rialto
OPERATOR(S) T. Hoang, Gantt J.
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)~~ mg/L	Sample: Sample Time	Sample ID
E	1	✓	✓	✓	✓	✓	199.20	✓	195.77	✓	195.77	✓	199.20	21.7	343.7	8.11	57	4.05	1115	PW126725
D	1	✓	✓	✓	✓	✓	125.22	✓	121.84	✓	121.84	✓	125.22	21.1	284.7	8.05	187	3.40	1135	PW126555
C	1	✓	✓	✓	✓	✓	101.29	✓	97.44	✓	97.44	✓	101.29	22.2	293.4	8.00	230	3.07	1200	PW126500
B	1	✓	✓	✓	✓	✓	55.56	✓	52.39	✓	52.39	✓	55.56	20.9	416.7	7.96	64	2.65	1220	PW126395
A	1	✓	✓	✓	✓	✓	29.49	✓	26.49	✓	26.49	✓	29.49	21.3	469.4	7.92	37	1.49	1240	PW126345

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-13

DATE: 07/31/15

LOCATION: ~~Merill St~~ 2751 Mill Rd, Rialto

ELEV. TOP OF WASTBAY CASING

WEATHER: Clear

PROBE TYPE Westbay

SERIAL NO. EMS 4755

PROJECT Ensafe @ Rialto

OPERATOR(S) T. Hoang Grant

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

Start: 33.10°C End: 21.99°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)				
LQC	617	616	170.44	170.31	170.44	25.39				1238
E	602	601	164.53	164.81	164.53	25.10	347.78	254.22	602	1240
SQC	587	586	157.93	157.92	157.93	24.42				1242
LQC	537	536	136.30	135.75	136.30	23.24				1244
D	522	521	129.69	127.79	129.69	22.56	262.38	259.62	522	1246
SQC	507	506	123.11	121.79	123.11	21.60				1248
LQC	487	486	114.45	113.25	114.45	20.90				1250
C	472	471	107.91	106.19	107.91	20.53	212.54	259.46	472	1251
SQC	457	456	101.40	100.35	101.40	20.22				1253
LQC	407	406	79.72	78.82	79.72	19.60				1255
B	392	391	73.06	71.55	73.06	19.41	132.63	259.37	392	1257
SQC	377	376	66.49	65.52	66.49	19.27				1259
LQC	352	352	55.60	54.72	55.60	19.10				1300

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-13
DATE: 07/31/15
LOCATION: 2751 Mill Rd
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE Westbay
SERIAL NO. EMS 4755
PROJECT Ensafe @ Rialto
OPERATOR(S) T. Hoang Garth J.
ATM. PRESSURE (Patm): (start) 14.06 (finish) 14.04
Start: 33.10 °C End: 21.99 °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	337	337	49.20	47.80	49.20	18.96	77.84	259.16	337	1302
SQC	322	321	42.64	41.92	42.64	18.88				

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-13
SAMPLING DATE(S) 07/31/15
LOCATION: 2751
WATER LEVEL INSIDE CASING: 263.03
ATM. PRESSURE (PSI): (Start) 14.06 (Finish) 14.04

PROBE TYPE Westbay
SERIAL NO. EMS 4755
PROJECT: Ensafe @ Rialto
OPERATOR(S) T. Hoang, Grant
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)~~ mg/L	Sample Time	Sample ID
E	1	✓	✓	✓	✓	✓	164.45	✓	164.84	✓	164.84	✓	164.45	21.8	259.4	8.58	0.1	3.78	1315	PW136602
D	1	✓	✓	✓	✓	✓	129.57	✓	127.87	✓	127.87	✓	129.57	21.4	291.4	8.29	29.5	2.39	1340	PW136522
G	1	✓	✓	✓	✓	✓	107.61	✓	106.21	✓	106.21	✓	107.61	22.3	199.2	8.71	0.6	4.78	1400	PW136472
B	1	✓	✓	✓	✓	✓	72.95	✓	71.66	✓	71.66	✓	72.95	21.2	283.5	8.23	0.5	2.77	1420	PW136392
A	1	✓	✓	✓	✓	✓	49.03	✓	47.83	✓	47.83	✓	49.03	20.7	390.5	8.18	0.7			PW136350
A	1	✓	✓	✓	✓	✓	49.01	✓	47.82	✓	47.82	✓	49.01							PW136350

Comments: DUP @ PW136472

MS/MSD @ PW136357

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-14
DATE: 07/29/15
LOCATION: Rialto-Mill St
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE Westbay
SERIAL NO. EMS 2169
PROJECT UC - Ensafe
OPERATOR(S) T. Henry Joseph C.
ATM. PRESSURE (Patm): (start) 13.99 (finish) 13.96

Start: 30.06 °C End: 19.77 °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	615	160.54	160.39	160.54	19.71				1115
E	602	600	154.24	154.31	154.24	19.46	323.72	278.28	602	1121
SQC	587	585	149.89	146.08	149.89	19.29				1125
LQC	537	535	125.95	122.56	125.95	19.51				1129
D	522	520	119.42	116.09	119.42	19.73	235.54	286.46	522	1131
SQC	507	505	112.07	109.60	112.07	19.44				1138
LQC	437	435	82.57	79.17	82.57	19.30				1140
C	422	421	75.96	72.68	75.96	19.16	135.40	286.60	422	1142
SQC	407	406	69.37	65.23	69.37	18.98				1144
LQC	377	376	56.46	51.46	56.46	18.87				1146
B	362	361	49.69	44.93	49.69	18.52	71.38	290.62	362	1148
SQC	347	345	32.45	28.11	32.45	18.40				1150
LQC	312	310	28.02	22.09	28.02	18.41				1152

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-14
DATE: 07/24/15
LOCATION: Rialto - Mill St
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE Westbay
SERIAL NO. EMS 2169
PROJECT UJC Ensafe
OPERATOR(S) T. Hoang Joseph G.
ATM. PRESSURE (Patm): (start) 13.99 (finish) 13.96
Start: 30.06°C End: 19.77°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	296	21.53	15.66	21.53	18.45	3.85	293.15	297	1159
SQU	282	281	19.35	14.01	19.35	18.42				1157

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-14
SAMPLING DATE(S) 07/24/15
LOCATION: Rialto Mill St
WATER LEVEL INSIDE CASING: 286.05
ATM. PRESSURE (PSI): (Start) 13.99 (Finish) 13.96

PROBE TYPE Westbay
SERIAL NO. EMS 2169
PROJECT: UTC Ensafe
OPERATOR(S) T. Hoang Joseph G
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) mg/L	Sample Time	Sample ID
E	1	✓	✓	✓	✓	✓	154.23	✓	154.41	✓	154.41	✓	154.23	23.3	242.8	8.48	0.96	4.01	1215	PW146605
D	1	✓	✓	✓	✓	✓	119.24	✓	116.04	✓	116.04	✓	119.24	23.1	276.0	7.98	34.3	3.86	1235	PW146525
C	1	✓	✓	✓	✓	✓	75.82	✓	72.65	✓	72.65	✓	75.82	22.4	411.1	8.11	60.8	5.11	1255	PW146425
B	1	✓	✓	✓	✓	✓	49.49	✓	44.83	✓	44.83	✓	49.49	22.8	507.1	8.07	0.29	4.60	1315	PW146365
A	1	✓	✓	✓	✓	✓	21.33	✓	15.57	✓	15.57	✓	21.33	23.4	469.6	9.91	0.28	5.51	1335	PW146300

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP1
DATE: 07/20/15
LOCATION: Foothill + Acacia Behind Stater Bros
ELEV. TOP OF WASTBAY CASING 1226'
WEATHER: Clear

PROBE TYPE Westbay
SERIAL NO. EMS2169
PROJECT B.F. Goodrich
OPERATOR(S) T. Hoang
ATM. PRESSURE (Patm): (start) 13.94 (finish) 13.95

Start: 33.82°C End: 22.90°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)				
E	797	797	358.30	234.21	358.30	21.36	508.16	288.84	797	1155
SQC	782	782	352.09	240.11	352.09	20.84				1157
D	732	732	330.18	202.49	330.18	20.92	434.98	297.02	732	1211
LQC	747	747	336.35	223.71	336.35	20.82				1213
SQC	717	717	323.13	251.21	323.13	20.61				1216
C	562	561	255.36	129.13	255.36	19.96	265.74	296.26	562	1218
LQC	577	576	262.72	146.63	262.72	20.18				1220
SQC	547	546	249.09	148.52	249.09	19.66				1221
B	462	462	211.99	85.66	211.99	19.03	165.46	296.54	462	1225
LQC	477	477	218.49	103.40	218.49	19.24				1223
SQC	447	447	205.36	117.71	205.36	18.45				1227
A	366	366	169.77	44.14	169.77	18.19	69.67	296.33	366	1234
LQC	381	382	176.41	87.54	176.41	18.28				1230

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP1
DATE: 07/20/15
LOCATION: Foothill + Acacia Behind Stater Bros
ELEV. TOP OF WASTBAY CASING 1226'
WEATHER: Clear

PROBE TYPE Westbay
SERIAL NO. EMS 2169
PROJECT BF Goodrich
OPERATOR(S) T. Hoang Joeseph G.
ATM. PRESSURE (Patm): (start) 13.94 (finish) 13.95
Start: 33.82°C End: 22.90°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)				
SQ6	351	35	163.28	92.74	163.28	18.09				1236

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: EPA-MP1
SAMPLING DATE(S) 07/20/15
LOCATION: Foothill + Acaria Behind Stater Bros
WATER LEVEL INSIDE CASING: 89.70
ATM. PRESSURE (PSI): (Start) 13.94 (Finish) 13.95

PROBE TYPE Westbay
SERIAL NO. EMS2169
PROJECT: BF Goodrich
OPERATOR(S) T. Hoang Joeseph G.
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	✓	✓	✓	✓	✓	356.84	✓	234.29	✓	234.29	✓	356.84	27.3	225.7	9.20	0.36	3.95	1250	MP16 797
D	1	✓	✓	✓	✓	✓	327.87	✓	202.41	✓	202.41	✓	327.87	25.8	320.0	7.85	.23	5.70	1320	MP16 732
C	1	✓	✓	✓	✓	✓	253.24	✓	129.10	✓	129.10	✓	253.24	24.6	302.4	8.01	0.27	8.73	1345	MP16 562
B	1	✓	✓	✓	✓	✓	208.31	✓	85.58	✓	85.58	✓	208.31	24.3	323.3	7.95	0.20	8.03	1410	MP16 462
A	1	✓	✓	✓	✓	✓	162.80	✓	44.11	✓	44.11	✓	162.80	24.5	159.6	7.95	80.3	4.49	1430	MP16 366

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP2
DATE: 07/21/15
LOCATION: Willow & Foothill Rialto
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear / Overcast

PROBE TYPE Westbay
SERIAL NO. EMS2169
PROJECT Ensafe - BF Goodrich
OPERATOR(S) T. Hoang Joseph G.
ATM. PRESSURE (Patm): (start) 13.92 (finish) 13.91

Start: 26.38°C End: 20.91°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
F	764	764	291.65	211.76	291.65	20.51	456.42	307.58	764	0740
SQC	749	749	285.27	201.86	285.27	20.54				0741
E	714	714	270.07	184.81	270.07	20.57	394.24	319.76	714	0743
SQC	699	699	263.51	183.45	263.51	20.48				0748
LQC	729	729	276.56	192.64	276.56	20.53				0746
D	614	614	226.36	141.57	226.36	19.54	294.49	319.51	614	0753
SQC	599	599	220.29	136.33	220.29	19.45				0756
LQC	629	629	233.01	149.34	233.01	20.20				0751
C	510	510	180.78	96.53	180.78	19.05	190.58	319.42	510	0800
SQC	495	495	174.31	90.78	174.31	18.97				0803
LQC	525	525	187.28	104.20	187.28	19.22				0758
B	410	410	137.58	53.28	137.58	18.59	90.80	319.20	410	0807
SQC	395	395	130.77	51.47	130.77	18.45				0810

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP2

DATE: 07/21/15

LOCATION: Willow/Foothill Rialto

ELEV. TOP OF WASTBAY CASING

WEATHER: Overcast

PROBE TYPE Westbay

SERIAL NO. EMS2169

PROJECT BF Goodrich

OPERATOR(S) T. Hoang Joseph G.

ATM. PRESSURE (Patm): (start) 13.92 (finish) 13.91

Start: 26.38°C End: 20.91°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
LQC	425	425	143.89	60.64	143.89	18.69				0805
A	350	350	111.29	27.32	111.29	18.30	30.91	319.09	350	0815
SQC	335	335	104.74	21.32	104.74	18.25				0816
LQC	365	365	117.96	34.82	117.96	18.35				0813

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: EPA-MP2
SAMPLING DATE(S) 07/21/15
LOCATION: Willow & Foothill
WATER LEVEL INSIDE CASING: 132.33
ATM. PRESSURE (PSI): (Start) 13.92 (Finish) 13.91

PROBE TYPE Westbay
SERIAL NO. EMS 2169
PROJECT: BFGoodrich
OPERATOR(S) Tilton, Joseph G
WEATHER Overcast

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
F	1	✓	✓	✓	✓	✓	291.77	✓	211.79	✓	211.79	✓	291.77	21.8	501.7	7.97	0.41	4.41	0820	MP2764
E	1	✓	✓	✓	✓	✓	270.33	✓	184.83	✓	184.83	✓	270.33	21.5	318.4	7.26	0.22	7.79	0900	MP2714
D	1	✓	✓	✓	✓	✓	226.71	✓	141.50	✓	141.50	✓	226.71	22.3	257.7	7.64	0.22	8.87	0935	MP2614
C	1	✓	✓	✓	✓	✓	180.93	✓	96.42	✓	96.42	✓	180.93	22.2	320.1	7.75	0.16	7.41	1005	MP2510
B	1	✓	✓	✓	✓	✓	137.45	✓	53.17	✓	53.17	✓	137.45	22.2	559.1	7.62	0.23	7.63	1035	MP2410
A	1	✓	✓	✓	✓	✓	111.21	✓	27.21	✓	27.21	✓	111.21	23.4	489.6	7.75	0.23	6.61	1100	MP2350

Comments: EB-1072115 @ 1110

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP3
DATE: 07/27/15
LOCATION: Alice Ave + Virginia Rialto
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE Westbay
SERIAL NO. EMS 2169
PROJECT BF Goodrich Rialto, CA
OPERATOR(S) T. Hoang Joseph G
ATM. PRESSURE (Patm): (start) 13.76 (finish) 13.80

Start: 35.22°C End: 21.77°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	236.21	226.94	236.21	22.96	491.81	407.19	899	1126
SQC	884	884	229.73	221.23	229.73	22.40				1128
D ~~LQC~~ HI	814	814	199.36	190.31	199.36	21.33	407.30	406.70	814	1132
SQC	799	799	192.91	184.46	192.91	20.87				1135
LQC	829	829	205.90	197.86	205.90	21.70				1130
C	687	687	144.14	135.53	144.14	19.69	280.92	406.08	687	1139
SQC	672	672	137.66	129.66	137.66	19.43				1141
LQC	702	702	150.58	143.02	150.58	20.29				1137
B	592	592	102.90	94.45	102.90	18.98	186.15	405.85	592	1144
SQC	577	576	96.30	88.39	96.30	18.83				1145
LQC	607	607	109.36	101.69	109.36	19.20				1143
A	457	457	44.13	36.01	44.13	18.52	51.33	405.67	457	1149
SQC	442	442	37.61	35.22	37.61	18.48				1150

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP3

DATE: 07/27/15

LOCATION: Alice + Virginia Rialto, CA

ELEV. TOP OF WASTBAY CASING

WEATHER: Clear

PROBE TYPE Westbay

SERIAL NO. EMS 2169

PROJECT BF Goodrich

OPERATOR(S) T. Hoang Joseph G

ATM. PRESSURE (Patm): (start) 13.76 (finish) 13.80

Start: 35.22°C End: 21.77°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)				
1a C	472	471	50.67	44.77	50.67	18.61				1147

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: EPA-MP3
SAMPLING DATE(S) 07/27/15
LOCATION: Alice+Virginia Rialto, CA
WATER LEVEL INSIDE CASING: 374.14
ATM. PRESSURE (PSI): (Start) 13.76 (Finish) 13.80

PROBE TYPE Westbay
SERIAL NO. EMS2169
PROJECT: BF Goodrich Rialto, CA
OPERATOR(S) T. Hoang JosephG
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)~~ mg/L	Sample Time	Sample ID
E	1	✓	✓	✓	✓	✓	236.36	✓	227.21	✓	227.21	✓	236.36	22.8	249.1	8.56	0.12	3.97	1200	MP36899
D	1	✓	✓	✓	✓	✓	199.27	✓	190.41	✓	190.41	✓	199.27	22.4	256.2	8.46	0.13	4.45	1225	MP36814
C	1	✓	✓	✓	✓	✓	144.03	✓	135.54	✓	135.54	✓	144.03	22.8	399.7	7.98	0.07	5.54	1250	MP36687
B	1	✓	✓	✓	✓	✓	102.73	✓	94.44	✓	94.44	✓	102.73	22.6	489.2	8.03	0.09	5.34	1315	MP36592
A	1	✓	✓	✓	✓	✓	44.10	✓	36.01	✓	36.01	✓	44.10	23.2	644.2	7.81	0.10	3.31	1335	MP36457

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP5
DATE: 07/31/15
LOCATION: 500M Cactus Rialto
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE Westbay
SERIAL NO. EMS 4755
PROJECT VTC @ Rialto
OPERATOR(S) T. Hoang, Gary H.S.
ATM. PRESSURE (Patm): (start) 14.08 (finish) 14.05

Start: 27.41°C End: 20.11°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
E	740	740	203.13	191.56	203.13	22.56	409.45	330.55	740	0847
SQC	725	725	196.62	186.32	196.62	20.91				0850
LQC	755	754	209.85	198.83	209.85	20.84				0845
D	630	629	155.09	144.03	155.09	20.48	299.79	330.21	630	0856
SQC	615	614	148.96	137.96	148.96	20.16				0859
LQC	645	644	161.86	150.93	161.86	20.59				0853
C	507	506	101.82	91.16	101.82	19.58	177.82	329.18	507	0905
SQC	492	491	95.30	85.24	95.30	19.22				0908
LQC	522	521	108.05	97.75	108.05	19.75				0902
B	412	411	60.35	50.05	60.35	18.87	82.98	329.02	412	0914
SQC	397	396	53.82	43.83	53.82	18.77				0916
LQC	427	426	67.02	57.27	67.02	19.01				0911
A	357	356	36.54	26.24	36.54	18.60	28.05	328.95	357	

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EDA-MP5
DATE: 07/31/18
LOCATION: 500 N. Cactus Rd, Rialto
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE Westbay
SERIAL NO. EMS 4755
PROJECT UTC Rialto Ensafe
OPERATOR(S) I. Hoang Can H.J.
ATM. PRESSURE (Patm): (start) 14.08 (finish) 14.05

Start: 27.41°C End: 20.11°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
SQC	342	341	30.01	20.43	30.01	18.58				0920
LQC	372	371	43.07	33.08	43.07	18.68				0918

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: EPA-MP5
SAMPLING DATE(S) 07/31/15
LOCATION: 500N Cactus Rialto
WATER LEVEL INSIDE CASING: 315.65
ATM. PRESSURE (PSI): (Start) 14.08 (Finish) 14.05

PROBE TYPE Westbay
SERIAL NO. EMS 4755
PROJECT: UTC Rialto
OPERATOR(S) T. Hoang Garth J.
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)~~ mg/L	Sample Time	Sample ID
E	1	✓	✓	✓	✓	✓	203.22	✓	191.54	✓	191.54	✓	203.22	20.4	278.1	8.82	0.1	3.72	0935	MP56740
D	1	✓	✓	✓	✓	✓	155.26	✓	144.05	✓	144.05	✓	155.26	20.5	227.3	8.39	0.1	3.25	1000	MP56630
G	1	✓	✓	✓	✓	✓	101.72	✓	91.08	✓	91.08	✓	101.72	20.5	303.3	8.04	0.1	3.48	1025	MP56507
B	1	✓	✓	✓	✓	✓	60.32	✓	50.02	✓	50.02	✓	60.32	20.4	409.9	8.05	0.1	4.81	1045	MP56412
A	1	✓	✓	✓	✓	✓	36.43	✓	26.23	✓	26.23	✓	36.43	20.6	485.1	7.91	0.1	2.70	1110	MP56357
A	2	✓	✓	✓	✓	✓	36.39	✓	26.26	✓	26.26	✓	36.39						1110	MP56357

Comments: DUP@MP56412
MS/MSD @ MP56357

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP6
DATE: 07/27/15
LOCATION: 513 E Etiwanda St, Rialto
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE Westbay
SERIAL NO. EMS 2169
PROJECT BF Goodrich Rialto
OPERATOR(S) J. Hoaks Joseph G
ATM. PRESSURE (Patm): (start) 13.93 (finish) 13.96
Temp Start: 24.03°C End: 19.09°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	764	764	207.22	201.60	207.22	20.68	432.95	331.05	764	0814
SQC	749	749	200.77	195.57	200.77	20.65				0816
LQC	779	779	213.70	201.85	213.70	20.71				0818
D	659	659	161.18	155.54	161.18	19.92	326.69	332.31	659	0823
SQC	644	644	154.70	149.45	154.70	19.77				0825
LQC	674	674	167.76	163.50	167.76	20.14				0820
C	573	573	123.98	118.36	123.98	19.34	240.92	332.08	573	0830
SQC	558	558	117.37	113.18	117.37	19.70				0832
LQC	588	588	130.47	125.43	130.47	19.54				0828
B	449	449	70.13	64.76	70.13	18.69	117.26	331.74	449	0837
SQC	434	433	63.60	60.84	63.60	18.52				0839
LQC	464	464	76.57	73.31	76.57	18.72				0835
A	355	355	29.25	24.09	29.25	18.41	23.44	331.56	355	0842

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MPG
DATE: 07/27/15
LOCATION: 513 E. Etiwanda Rialto
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE Westbay
SERIAL NO. EMS2169
PROJECT BF Goodrich
OPERATOR(S) T. Hoang Joseph G
ATM. PRESSURE (Patm): (start) 13.93 (finish) 13.96

Temp Start: 24.03 °C End: 19.09 °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	340	340	22.70	23.29	22.70	18.35				0843
LQC	370	370	35.80	44.75	35.80	16.43				0841

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: FPA-MP6
SAMPLING DATE(S) 07/27/15
LOCATION: 513 E. Etiwanda Rialto
WATER LEVEL INSIDE CASING: 326.13
ATM. PRESSURE (PSI): (Start) 13.93 (Finish) 13.96

PROBE TYPE Westbay
SERIAL NO. EMS2169
PROJECT: BFGoodrich
OPERATOR(S) T. Hoang Joseph G
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) mg/L	Sample: Sample Time	Sample ID
E	1	✓	✓	✓	✓	✓	207.30	✓	201.62	✓	201.62	✓	207.30	21.1	280.8	6.96	0.22	6.42	0850	MP66765
D	1	✓	✓	✓	✓	✓	161.20	✓	155.55	✓	155.55	✓	161.20	21.1	282.7	7.74	0.14	6.05	0915	MP66659
G	1	✓	✓	✓	✓	✓	123.97	✓	118.29	✓	118.29	✓	123.97	21.7	219.3	8.33	0.11	4.41	0940	MP66573
B	1	✓	✓	✓	✓	✓	69.99	✓	64.64	✓	64.64	✓	69.99	21.3	527.0	7.73	0.09	6.78	1005	MP66449
A	1	✓	✓	✓	✓	✓	29.14	✓	24.02	✓	24.02	✓	29.15	21.9	620.1	7.75	0.07	5.20	1030	MP66355

Comments: DOP @ MP66573

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: ~~MMP-7~~ EPA-MP7
DATE: 07/30/15
LOCATION: N. Pepper Ave Rialto
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE Westbay
SERIAL NO. EMS 4755
PROJECT UTG @ Rialto
OPERATOR(S) T. Hoang Gonth J.
ATM. PRESSURE (Patm): (start) 13.98 (finish) 14.00

Start: 34.68°C End: 21.55°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
LQC	716	717	201.44	197.30	201.44	24.95				1204
E	701	701	196.81	189.32	196.81	24.83	404.51	296.49	701	1206
SQC	686	687	190.15	186.85	190.15	24.09				1208
LQC	603	604	152.61	148.71	152.61	23.55				1213
D	588	588	146.70	139.25	146.70	22.83	289.00	299.00	588	1211
SQC	573	574	140.11	136.14	140.11	21.91				1215
LQC	518	517	115.52	109.39	115.52	21.28				1218
C	503	504	108.73	101.23	108.73	20.48	201.29	301.71	503	1220
SQC	488	489	102.13	97.35	102.13	20.23				1222
LQC	448	449	86.19	79.62	86.19	19.88				1223
B	433	432	79.53	72.23	79.53	19.66	134.38	298.62	433	1225
SQC	418	418	72.94	67.36	72.94	19.47				1228
LQC	372	372	53.30	46.61	53.30	19.27				1229

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP7
DATE: 07/30/15
LOCATION: N. Pepper Ave Rialto
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE Westbay
SERIAL NO. EMS 4755
PROJECT UTC @ Rialto
OPERATOR(S) T. Hoang Gantt S
ATM. PRESSURE (Patm): (start) 13.98 (finish) 14.00
Start: 34.68°C End: 21.55°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
A	357	356	46.86	39.90	46.86	19.09	59.80	297.20	357	1231
SQC	342	341	40.45	79.55	40.45	18.91				1232

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: EPA-MP7
SAMPLING DATE(S) 07/30/15
LOCATION: N Pepper Ave Rialto
WATER LEVEL INSIDE CASING: 288.94
ATM. PRESSURE (PSI): (Start) 13.98 (Finish) 14.00

PROBE TYPE Westbay
SERIAL NO. EMS 4755
PROJECT: UTC @ Rialto
OPERATOR(S) T. Hoang / A.J.
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) mg/L	Sample Time	Sample ID
E	1	✓	✓	✓	✓	✓	196.62	✓	189.37	✓	189.37	✓	196.62	23.3	379.2	8.36	0.2	2.96	1240	MP76701
D	1	✓	✓	✓	✓	✓	146.83	✓	139.15	✓	139.18	✓	146.83	21.6	313.5	8.25	0.1	3.26	1315	MP76588
C	1	✓	✓	✓	✓	✓	108.64	✓	101.19	✓	101.19	✓	108.64	21.7	319.6	8.21	0.1	2.93	~~1325~~	MP76503 @ 1335
B	1	✓	✓	✓	✓	✓	79.43	✓	72.22	✓	72.22	✓	79.43	22.3	477.9	8.08	0.1	3.20	1355	MP76433
A	1	✓	✓	✓	✓	✓	46.71	✓	39.86	✓	39.86	✓	46.71	21.6	593.7	7.92	0.1	2.02	1415	MP76357
A	2	✓	✓	✓	✓	✓	46.28	✓	39.90	✓	39.90	✓	46.28							

Comments: MS/MSD @ MP76357

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP8
DATE: 07/21/15
LOCATION: 1st Street
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE Westbay
SERIAL NO. EMS2169
PROJECT BF Goodrich
OPERATOR(S) T. Hoang Joseph G
ATM. PRESSURE (Patm): (start) 13.86 (finish) 13.90

Start: 31.87°C End: 19.95°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
LQC	737	736	207.90	205.19	207.90	22.10				1200
E	722	721	201.95	194.55	201.95	22.01	416.85	305.15	722	1202
SQC	707	706	195.43	192.61	195.43	21.68				1204
LQC	622	621	158.49	153.35	158.49	21.41				1207
D	607	606	151.82	144.69	151.82	21.10	301.82	305.18	607	1209
SQC	592	591	145.42	144.18	145.42	20.86				1210
LQC	507	506	108.30	103.68	108.30	20.36				1211
C	492	492	101.89	97.03	101.89	20.22	191.87	300.13	492	1213
SQC	477	476	95.39	92.94	95.39	20.01				1215
LQC	412	411	66.82	62.50	66.82	19.80				1217
B	397	396	60.32	55.85	60.32	19.60	96.87	300.13	397	1218
SQC	382	381	53.95	51.04	53.95	19.53				1219
LQC	362	361	45.15	44.07	45.15	19.34				1220

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP8

DATE: 07/21/15

LOCATION: 1st Rialto

ELEV. TOP OF WASTBAY CASING

WEATHER: Clear

PROBE TYPE Westbay

SERIAL NO. EMS2169

PROJECT ~~Wes~~ NF Goodrich

OPERATOR(S) T. Hoang, Joseph G.

ATM. PRESSURE (Patm): (start) 13.86 (finish) 13.90

Start: 31.87°C End: 19.95°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	346	38.67	34.15	38.67	19.26	46.81	300.19	347	1223
SQC	332	332	32.10	39.69	32.10	19.17				1225

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: EPA-MP8
SAMPLING DATE(S) 07/20/15
LOCATION: 1st St Rialto
WATER LEVEL INSIDE CASING: 296.46
ATM. PRESSURE (PSI): (Start) 13.86 (Finish) 13.90

PROBE TYPE Westbay
SERIAL NO. EMS 21691
PROJECT: BF Goodrich
OPERATOR(S) J. Hoang, Joseph G
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	✓	✓	✓	✓	✓	201.93	✓	194.66	✓	194.66	✓	201.93	24.0	204.7	8.54	0.16	7.97	1230	MP86722
D	1	✓	✓	✓	✓	✓	151.80	✓	144.64	✓	144.64	✓	151.80	23.1	179.9	9.43	0.20	8.51	1300	MP86607
C	1	✓	✓	✓	✓	✓	101.86	✓	96.98	✓	96.98	✓	101.86	23.4	290.3	8.06	0.14	10.64	1325	MP86492
B	1	✓	✓	✓	✓	✓	60.12	✓	55.79	✓	55.79	✓	60.12	23.3	291.1	8.07	0.21	7.90	1345	MP86397
A	1	✓	✓	✓	✓	✓	38.39	✓	34.15	✓	34.15	✓	38.39	23.5	204.2	8.47	0.17	5.43	1405	MP86347

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: GPW-16
DATE: 07/30/15
LOCATION: 2893 W. Rialto, Rialto
ELEV. TOP OF WASTBAY CASING
WEATHER: Overcast

PROBE TYPE Westbay
SERIAL NO. EMS ~~2169~~ 4755
PROJECT Ensafe @ OTC Rialto
OPERATOR(S) T. Hoang, Garrett J.
ATM. PRESSURE (Patm): (start) 14.06 (finish) 14.08

Start: 26.98 °C End: 22.12

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)				
6	753	752	234.16	221.11	234.16	21.88	477.66	275.36	753	0750
LQC	768	767	240.01	228.69	240.01	22.01				0747
F	718	717	218.95	205.72	218.95	21.69	442.16	275.84	718	0753
SQC	703	704	212.43	199.76	212.43	21.55				0757
LQC	733	732	225.22	211.89	225.22	21.74				0755
E	638	639	184.01	172.09	184.01	21.17	364.58	273.42	638	0801
SQC	623	624	177.39	166.03	177.39	21.05				0803
LQC	653	654	190.70	179.66	190.70	21.42				0759
D	513	514	129.49	117.81	129.49	20.30	239.35	273.65	513	0807
SQC	498	499	123.00	111.89	123.00	20.18				0809
LQC	528	527	136.24	125.26	136.24	20.52				0805
C	417	418	87.64	76.48	87.64	19.57	144.00	273.00	417	0815
SQC	402	403	81.25	70.43	81.25	19.35				0818

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: CPW-16
DATE: 07/30/15
LOCATION: 2893 W. Rialto, Rialto
ELEV. TOP OF WASTBAY CASING
WEATHER: Overcast

PROBE TYPE Westbay
SERIAL NO. EMS 4755
PROJECT Ensafe @ UTC Rialto
OPERATOR(S) T. Hoang Gantt J.
ATM. PRESSURE (Patm): (start) 14.06 (finish) 14.08

Start: 26.98°C End: 22.12

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	432	433	94.32	83.56	94.32	14.88				0812
B	378	379	70.72	59.83	70.72	18.90	105.59	272.41	378	0821
SQC	363	364	64.21	53.46	64.21	18.77				0822
LQC	393	394	77.30	67.05	77.30	19.05				0820
A	295	296	34.51	24.20	34.51	~~2~~ 18.58	23.39	271.61	295	0824
SQC	280	281	28.05	22.44	28.05	18.51				0825
LQC	310	311	41.07	31.22	41.07	18.64				0823

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: CPW-16
SAMPLING DATE(S) 07/30/15
LOCATION: 2893 W. Rialto, Rialto
WATER LEVEL INSIDE CASING: 253.56'
ATM. PRESSURE (PSI): (Start) 14.06 (Finish) 14.08

PROBE TYPE Westbay
SERIAL NO. EMS 4755
PROJECT: Ensafe @ Rialto
OPERATOR(S) T. Hoang Gan H.J.
WEATHER Overcast

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) mg/L	Sample: Sample Time	Sample ID
G	1	✓	✓	✓	✓	✓	233.95	✓	221.10	✓	221.10	✓	233.95	20.6	260.9	9.11	1	3.97	0835	CPW166753
F	1	✓	✓	✓	✓	✓	218.89	✓	205.70	✓	205.70	✓	218.89	20.4	265.8	8.69	0.3	3.65	0900	CPW166718
F	2	✓	✓	✓	✓	✓	218.83	✓	205.69	✓	205.69	✓	218.83	[redacted]					[redacted]	HH
E	1	✓	✓	✓	✓	✓	184.70	✓	172.10	✓	172.10	✓	184.70	20.9	337.8	7.99	0.1	3.74	0945	[redacted] CPW166638
D	1	✓	✓	✓	✓	✓	129.48	✓	117.76	✓	117.76	✓	129.48	20.9	222.5	8.49	0.1	3.04	1005	[redacted] CPW166513
C	1	✓	✓	✓	✓	✓	87.69	✓	76.47	✓	76.47	✓	87.69	21.1	426.2	7.98	0.1	3.38	1025	[redacted] CPW166417
B	1	✓	✓	✓	✓	✓	70.65	✓	59.74	✓	59.74	✓	70.65	21.4	485	7.99	0.1	2.99	1045	[redacted] CPW166378
A	1	✓	✓	✓	✓	✓	34.42	✓	24.24		24.24	✓	34.42	21.3	609.5	7.93	0.1	4.51	1110	CPW166295

Comments: MS/MSD @ CPW166718
DUP @ CPW166638

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: CPW-17

DATE: 08/04/15

LOCATION: 6065 Maitland St, Rialto

ELEV. TOP OF WASTBAY CASING

WEATHER: Clear

PROBE TYPE Westbay

SERIAL NO. EMS4755

PROJECT UTC @ Rialto

OPERATOR(S) T. Hoang

ATM. PRESSURE (Patm): (start) 14.11 (finish) 14.10

Start: 26.13°C End: 20.44°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)				
G	712	712	221.56	212.25	221.56	25.61	457.11	254.89	712	1313
SQC	697	696	215.11	206.97	215.11	23.76				1316
LQC	727	726	227.71	219.74	227.71	26.01				1310
F	612	612	178.18	165.76	178.18	22.67	349.86	262.14	612	1320
SQC	597	596	171.75	161.05	171.25	22.41				1323
LQC	627	626	184.74	177.08	184.74	23.11				1318
E	563	543	156.88	145.66	156.88	21.90	303.49	259.51	563	1325
SQC	548	548	150.38	139.94	150.38	21.74				1328
LQC	578	577	163.26	153.79	163.26	22.06				1322
D	503	503	130.68	119.71	130.68	21.24	243.62	259.38	503	1330
SQC	488	488	124.14	113.3	124.14	21.05				1334
LQC	518	517	137.15	126.31	137.15	21.18				1333
C	413	413	91.56	79.50	91.56	20.25	150.85	262.15	413	1341

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: CPW-17

DATE: 08/04/15

LOCATION: 606 S. Macy St, Rialto

ELEV. TOP OF WASTBAY CASING

WEATHER: Clear

PROBE TYPE Westbay

SERIAL NO. EMS 4755

PROJECT UTC @ Rialto

OPERATOR(S) T. Hoang

ATM. PRESSURE (Patm): (start) 14.11 (finish) 14.10

Start: 26.13°C End: 20.44°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	398	398	84.93	72.95	84.93	20.19				1343
LQC	428	427	97.87	86.65	97.87	20.15				1339
B	313	313	47.93	35.94	47.93	19.86	50.36	262.64	313	1348
SQC	298	297	41.38	32.51	41.38	19.77				1350
LQC	328	328	54.42	42.46	54.42	19.95				1345
A	243	243	17.33	14.26	17.33	19.68	0.35	242.65	243	1352
SQC	228	228	14.20	13.89	14.20	19.73				1352
LQC	258	258	23.57	14.85	23.57	19.77				~~1358~~ 1353

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: CPW-17
SAMPLING DATE(S) 08/04/15
LOCATION: 606 S. Maty St. Rialto, CA
WATER LEVEL INSIDE CASING: 240.36
ATM. PRESSURE (PSI): (Start) 14.11 (Finish) 14.10

PROBE TYPE Westbay
SERIAL NO. EMS 4755
PROJECT: UTC @ Rialto
OPERATOR(S) T. Hoang
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) mg/L	Sample Time	Sample ID
G	1	✓	✓	✓	✓	✓	221.54	✓	212.22	✓	212.22	✓	221.54	26.2	239.8	9.15	0.1	2.71	1355	CPW176712
F	1	✓	✓	✓	✓	✓	178.06	✓	165.73	✓	165.73	✓	178.06	24.7	269.2	8.63	0.2	2.55	1420	CPW176612
E	1	✓	✓	✓	✓	✓	156.61	✓	145.61	✓	145.61	✓	156.61	24.7	284.4	8.46	0.2	2.77	1445	CPW176513
D	1	✓	✓	✓	✓	✓	130.62	✓	119.65	✓	119.65	✓	130.62	24.6	314.0	8.40	0.2	5.80	1510	CPW176503
C	1	✓	✓	✓	✓	✓	91.32	✓	79.48	✓	79.48	✓	91.32	25.0	283.0	8.51	0.4	4.66	1530	CPW176418
B	1	✓	✓	✓	✓	✓	47.64	✓	35.91	✓	35.91	✓	47.64	24.6	271.1	8.39	0.3	5.71	1550	CPW176313
A	1	✓	✓	✓	✓	✓	17.31	✓	14.24	✓	14.24	✓	17.31	-Port is Dry- No Sample					—	

Comments: POP @ CPW176313

WELL MONITORING DATA SHEET

Project #: 150803-DF1	Client: EN SAFE
Sampler: DF	Date: 8/5/15
Well I.D.: 1S/4W-8E1S	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): —	Depth to Water (DTW): 226.43
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (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

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	radius^2 * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
—	HYDRASLEEVE SET @ 980' - 8/3/15					—
1040	28.9	9.07	405.1	>1000		

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 8/5/15 Sampling Time: 1040 Depth to Water: —

Sample I.D.: 1S/4W-8E1S 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 #: 150803·DF 1	Client: ENSAFE
Sampler: DF	Date: 8/3/15
Well I.D.: 1S/4W·8E2S	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD):	Depth to Water (DTW): 226.83
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (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
	HYDRASLEEVE SET @ 760' — 8/3/15					
	HYDRASLEEVE BROKE OPEN HAD TO REPLACE W/					
	NEW ONE — SET @ 760' ON 8/5/15 —					
8/6/15 — Hydrasleeve had tear, Sampled with double checkball bailer						
1250	25.9	7.51	3087	26	—	

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

Sampling Date: 8/6/15 Sampling Time: 1250 Depth to Water: —

Sample I.D.: 1S/4W-8E2S Laboratory: Kiff CalScience Other_____

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

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 #: 150803-JF1	Client: FUSAFE
Sampler: DL	Date: 8/3/15
Well I.D.: 15/4W-8E3S	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 227.21
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (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
	HYDRASLEEVE SET @ 587' ON 8/3/15					
1135	25.5	9.14	365.6	625		

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

Sampling Date: 8/5/15 Sampling Time: 1135 Depth to Water:

Sample I.D.: 15/4W-8E3S 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 #: 150803-81	Client: ENSAFE
Sampler: DL	Date: 8/3/15
Well I.D.: 15/4W-BE4S	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 229.88
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (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:) HS

—(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
—	HYDRASLEEVE SET @ 320'				8/3/15	—
1145	24.2	8.84	390.8	69		

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Date: 8/5/15 Sampling Time: 1145 Depth to Water:

Sample I.D.: 15/4W-BE4S 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 #: 150603-DF1	Client: ENSAFE
Sampler: CA	Date: 8/5/15
Well I.D.: 15/5W-3A55	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): —	Depth to Water (DTW): 398.06
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (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			675 @	1130	
1335	27.1	9.39	2698	188	—	

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Date: 8/5/15 Sampling Time: 1335 Depth to Water:

Sample I.D.: 15/5W-3A55 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 #: 150803-DP1	Client: ENSAFE
Sampler: CA	Date: 8/4/15
Well I.D.: 15/5W-3A6S	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 398.36
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (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
1030	25.2	7.20	953.1	56	—	No purge Sample Taken
Hydrasleeve set to 515' @ 1045						
1350	24.9	8.24	379.8	96		

Did well dewater? Yes No Gallons actually evacuated: ___

Sampling Date: 8/5/15 Sampling Time: 1350 Depth to Water: —

Sample I.D.: 15/5W-39 6S 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 #: 150803-2P1	Client: ENSAFE
Sampler: CA	Date: 8/4/15
Well I.D.: 15/5W-3A75	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 398.45
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (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	415'	@ 1145	
1400	27.7	8.89	240.9	126	—	

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Date: 8/5/15 Sampling Time: 1400 Depth to Water: —

Sample I.D.: 15/5W-3A76 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 #: 150803-DF1	Client: EN SAFE
Sampler: DF	Date: 5/3/15
Well I.D.: 15-5W-11F15	Well Diameter: 2 3 4 6 8 ___
Total Well Depth (TD):	Depth to Water (DTW): 317.82
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: 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
—	HYDRASLEEVE SET @ 940 - 8/3/15 —					
	— HYDRASLEEVE RESET DUE TO TEAR IN BAG —					
8/6/15	— Hydrasleeve had tear again —					
	— Sample taken with double valve bailer					
1155	25.6	7.59	383.5	12	—	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 8/5/15 Sampling Time: 1155 Depth to Water: —

Sample I.D.: 15-5W-11F15 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 #: 150803-DF1	Client: ENSAFE
Sampler: CA	Date: 8/4/15
Well I.D.: 15/5W-11FBS	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 294.49
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (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
—	Hydra Sleeve set			@ 437'	@	0900
1250	27.6	9.26	2990	85		

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 8/5/15 Sampling Time: 1250 Depth to Water: 294.49

Sample I.D.: 15/5W-11FBS 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 #: 150803-DF1	Client: ENSAFE
Sampler: CA	Date: 8/4/15
Well I.D.: ~~15/15~~ 15/5W-11F4S	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): —	Depth to Water (DTW): 294.63
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (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
0945	22.3	7.26	352.6	299	—	No purge sample taken
—	Set hydrasleeve to		325'	@	0950	
1300	24.9	8.86	3006	120		

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Date: 8/5/15 Sampling Time: 1300 Depth to Water: 294.63

Sample I.D.: 15/5W-11F4S 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 #: 150803-DF1	Client: EnSafe
Sampler: DF	Date: 8/5/15
Well I.D.: IS/SW-13B2S	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 271.95
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (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 685' - 8/3/15				—	
0855	23.3	8.27	337.6	35		

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 8/5/15 Sampling Time: 0855 Depth to Water: —

Sample I.D.: IS/SW-13B2S 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 #: 150803-DF1	Client: ENSAFE
Sampler: DF	Date: 8/5/15
Well I.D.: 15/5W-13B3S	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): ~~15/5W-13B3S~~	Depth to Water (DTW): 284.49
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (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
	RESET HYDRASLEEVE @ 550' - 8/5/15					
8/6/15	Hydrasleeve pulled up, had tear in it					
	— Sample taken with double checkball bailer —					
1320	25.0	7.36	339.0	23	—	

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

Sampling Date: 8/6/15 Sampling Time: 1320 Depth to Water: —

Sample I.D.: 15/5W-13B3S 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 #: 150803-DP	Client: ENSAFE
Sampler: DP	Date: 8/3/15
Well I.D.: 15/5W-13B4S	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD):	Depth to Water (DTW): 283.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (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 @ 430' - 8/3/15			—
0930	23.6	8.33	402.7	95		

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Date: 8/5/15 Sampling Time: 0930 Depth to Water: —

Sample I.D.: 15/5W-13B4S 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 #: 150803-DF1	Client: ENSAFE
Sampler: DF	Date: 8/3/15
Well I.D.: 15/5W-13B55	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 275.53
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (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 @			280'-	8/3/15	
0945	22.5	8.36	462.8	175		

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

Sampling Date: 8/5/15 Sampling Time: 0945 Depth to Water:

Sample I.D.: 15/5W-13B55 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

Rialto - Fireside 150720 -HH1

PROJECT NAME ~~CPM @ Playalista~~				PROJECT NUMBER ~~150711-HH1~~			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
Ultrameter II	6207529	07/27/15 0750	4.0 7.0 10.0 PH	3.80 7.29 9.93	4.0 7.0 10.0 PH	25.0°C	JG
↓	↓	↓	Cond 3900	3884	3900	23.9°C	JG
YSI DO PRO 20	12D100879	07/27/15 0755	100%	101%	101.0%	24.0°C	JG
Ultrameter II	6207529	07/29/15 0728	4.0 7.0 10.0 PH	4.05 7.04 9.76	✓ ✓ ✓	24.9°C	JG
↓	↓	↓	Cond. 3900	3898	✓	24.9°C	JG
YSI DO Pro 20	12D100879	07/29/15 0731	100%	101%	101.5%	23.8°C	JG
Ultrameter II	6207529	7/30/15 0732	4.0 7.0 10.0 PH	3.82 7.02 9.67 PH	✓ ✓	26.5°C	JG
↓	↓	↓	Cond 3900	3897	✓	26.5°C	JG
YSI DO Pro 20	12D100879	7/30/15 0736	100%	103.1%	103.1%	25.1°C	JG
Ultrameter II	6207529	7/31/15 0825	4.0 7.0 10.0	3.98 7.0 9.91	✓ ✓ ✓	24.8°C	JG
↓	↓		Cond. 3900	3881	✓	24.8°C	JG
YSI DO Pro 20	12D100879	7/31/15 0850	100%	102.4%	102.4%	26.1°C	JG

08/04/15 Backside

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME Ensafe @Rialto

PROJECT NUMBER 150720-HH1

EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
Ultrameter II	6207529	07/20/15 0700	4.0 7.0 10.0 PH	4.00 7.25 9.97	4.0 7.0 10.0 PH	19.9°C	HH
↓	↓	↓	Cond 3900	3890	3900	19.7°C	HH
YSI550	054042AB	↓	D.O. 100%	121.7%	100.5%	19.8°C	HH
Ultrameter	6207529	07/21/15 0715	4.0 7.0 10.0 PH	4.07 7.22 10.07	4.0 7.0 10.0 PH	23.0°C	JG
↓	↓	↓	Cond 3900	3940	3900	23.0°C	JG
YSI550	054042AB	↓	D.O. 100%	100.3%	100.3%	23.5°C	JG
Ultrameter	6207529	07/22/15 0745	4.0 7.0 10.0 PH	3.91 10.04 7.35	4.0 7.0 10.0 PH	25.0°C	JG
↓	↓	↓	Cond 3900	3870	3900	25.0°C	JG
YSI550	054042AB	↓	D.O 100%	102.9%	102.6%	24.6°C	JG
Ultrameter II	6207529	07/24/15 0730	4.0 7.0 10.0 PH	4.00 7.17 10.03	4.0 7.0 10.0 PH	20.3	JG
↓	↓	↓	Cond 3900	3907	3900	20.3	JG
YSI550	054042AB	↓	D.O. 100%	124.7%	100.3%	19.6	HH

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME Rialto Ensafe				PROJECT NUMBER 150720-HH1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
Ultrameter II	6207529	8/4/15 0805	pH 7 10 4	7.28 10.04 3.98	Y Y Y	26.2°C	JL
	↓		conductivity 3900	3906	Y	27.4°C	JL
ysi DO Pro 2D	12010087 9	8/4/15 0807	DO 100%	105.4%	Y	24.4°C	JL

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-13
SAMPLING DATE(S) 10-13-15
LOCATION: 2751 Mill Rd Rialto
WATER LEVEL INSIDE CASING: 263.72
ATM. PRESSURE (PSI): (Start) 14.12 (Finish) 14.20
Temp °C: 27.37, 19.98

PROBE TYPE Westbay
SERIAL NO. EMS 4755
PROJECT: Ensafe @ Rialto
OPERATOR(S) TK
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)~~ mg/L	Sample Time	Sample ID
602	E	1	✓	✓	✓	✓	✓	163.37	✓	165.44	✓	165.44	✓	163.37	22.9	261.2	7.65	4.1	10.51	0835	PW13G-615
522	D	1	✓	✓	✓	✓	✓	128.56	✓	127.89	✓	127.90	✓	128.56	22.2	306.3	7.50	20.0	13.06	0910	PW13G-525
472	C	1	✓	✓	✓	✓	✓	106.73	✓	106.25	✓	106.25	✓	106.74	22.4	206.9	8.16	4.3	9.65	0940	PW13G-475
392	B	1	✓	✓	✓	✓	✓	71.90	✓	71.54	✓	71.55	✓	71.90	22.6	299.5	7.82	3.4	10.24	1005	PW13G-395
337	A	1	✓	✓	✓	✓	✓	48.82	✓	47.65	✓	47.65	✓	48.82	23.4	427.1	7.77	4.4	7.46	1040	PW13G-340
		2	✓	✓	✓	✓	✓	47.87	✓	47.64	✓	47.63	✓	47.87							

Comments: MS/MSD @ Port A

1/2

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-13
DATE: 10-13-15
LOCATION: 2751 Mill Rd. Rialto CA
ELEV. TOP OF WASTBAY CASING
WEATHER: clear

PROBE TYPE: westbay
SERIAL NO.: EMS 4755
PROJECT: Ensafe @ Rialto
OPERATOR(S): TK
ATM. PRESSURE (Patm): (start) 14.12 (finish) 14.20
Temp (°C) 27.37, 19.98

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH²O Inside Casing	Trans. Temp. (oC)				
LQC	617	616	169.90	171.91	169.90	22.40	~~34~~			0801
E	602	601	163.37	165.44	163.37	21.68	349.10	252.90	602	0802
SQC	587	586	156.88	158.27	156.88	20.70				0804
LQC	537	536	135.15	135.67	135.15	20.43				0807
D	522	521	128.61	127.90	128.61	20.24	262.49	259.51	522	0809
SQC	507	506	122.07	121.69	122.07	20.07				0811
LQC	487	486	113.35	113.10	113.35	19.89				0813
C	472	471	106.81	106.29	106.81	19.73	212.52	259.48	472	0815
SQC	457	456	100.28	99.90	100.28	19.58				0816
LQC	406	406	78.50	78.43	78.50	19.36				0818
B	392	391	71.96	71.62	71.96	19.19	132.65	259.35	392	0819
SQC	377	376	65.47	65.35	65.47	19.05				0821
LQC	352	352	54.52	54.44	54.52	18.89				0823

Comments:

2/2

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-13
DATE: 10-13-15
LOCATION: 2751 Mill Rd. Rialto CA
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE Westbay
SERIAL NO. EMS 4755
PROJECT Ensafe @ Rialto
OPERATOR(S) TF
ATM. PRESSURE (Patm): (start) 14.12 (finish) 14.20
Temp (°C) 27.37 , 19.98

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH²O Inside Casing	Trans. Temp. (oC)				
A	337	337	48.01	47.81	48.01	18.74	77.72	259.28	337	0824
SQC	322	321	41.51	41.87	41.51	18.57				0825

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-14
SAMPLING DATE(S) 10-12-15
LOCATION: Rialto - Mill St.
WATER LEVEL INSIDE CASING: 286.84 FL
ATM. PRESSURE (PSI): (Start) 14.05 (Finish) 14.03
Temp (°C): 28.41 24.77

PROBE TYPE Westbay
SERIAL NO. EMS 4755
PROJECT: Ensafe @ Rialto
OPERATOR(S) TK
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)~~ mg/L	Sample Time	Sample ID
E	1	✓	✓	✓	✓	✓	153.17	✓	155.49	✓	155.49	✓	153.17	26.1	247.3	~~7.88~~ 7.88 (2)	10	6.53	1105	PW14G605
D	1	✓	✓	✓	✓	✓	118.27	✓	116.05	✓	116.05	✓	118.27	25.8	279.2	7.65	43	11.87	1135	PW14G525
C	1	✓	✓	✓	✓	✓	74.71	✓	72.65	✓	72.66	✓	74.71	25.7	416.9	7.89	32	11.44	1155	PW14G425
B	1	✓	✓	✓	✓	✓	48.98	✓	44.74	✓	44.74	✓	48.98	25.6	540.6	7.81	9	10.14	1225	PW14G365
A	1	✓	✓	✓	✓	✓	21.22	✓	15.42	✓	15.42	✓	21.22	27.0	421.4	9.78	4	6.67	1300	PW14G300

Comments: TC Needed. Standard 3 signs.
DUP @ Port A
EB ~~@ 13~~ (1) @ end of day

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-14
DATE: 10-12-15
LOCATION: Rialto - M.tl st.
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear
DTW: 286.84

PROBE TYPE: Westbay
SERIAL NO.: EMS 4755
PROJECT: Rialto w/ Ensafe
OPERATOR(S): TK
ATM. PRESSURE (Patm): (start) 14.05 (finish) 14.03
Temp(°C): 28.41°c 19.17 °c

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH²O Inside Casing	Trans. Temp. (oC)				
LQC	617	615	~~158.99~~ 159.89	159.64	159.89	23.96				1026
E	602	601	153.17	155.49	153.17	23.18	326.30	275.70	602	1028
SQC	587	585	146.68	146.05	146.68	21.61				1034
LQC	537	535	124.92	122.59	124.92	20.51				1037
D	522	520	118.36	116.09	118.36	20.33	235.41	286.59	522	1039
SQC	507	505	111.83	109.75	111.83	20.15				1041
LQC	437	435	81.34	79.18	81.34	19.81				1043
C	422	421	74.80	72.69	74.80	19.60	135.28	286.72	422	1045
SQC	407	406	68.27	65.30	68.27	19.37				1046
LQC	377	376	55.20	51.32	55.20	19.18				1048
B	362	361	48.62	44.82	48.62	19.02	70.99	291.01	362	1049
SQC	347	345	42.13	37.01	42.13	18.82				1051
LQC	312	310	26.88	21.95	26.88	18.74				1052

Comments: Standard 3 signs needed (TC)

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-14
DATE: 10-12-15
LOCATION: Rialto - Mill St
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE: Westbay
SERIAL NO.: EMS 4755
PROJECT: Ensafe @ Rialto
OPERATOR(S): TK
ATM. PRESSURE (Patm): (start) 14.05 (finish) 14.03
Temp (°C): 28.41 17.17 °c

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH²O Inside Casing	Trans. Temp. (oC)				
A	297	296	20.34	15.42	20.34	18.70	3.16	293.84	297	1053
SQC	282	281	14.27	12.71	14.27	~~14.27~~ 18.22 (12)				1055

Comments: TC Needed: Standard 3 signs

1/2

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP1
DATE: 10-12-15
LOCATION: Foothill + Acacia Behind Stater Bros.
ELEV. TOP OF WASTBAY CASING 1226'
WEATHER: Clear

PROBE TYPE Westbay
SERIAL NO. EMS 4755
PROJECT Ensafe @ Rialto
OPERATOR(S) TK
ATM. PRESSURE (Patm): (start) 13.95 (finish) 14.05

DTW: 285.14
Temp(°C): 26.90 18.40

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH²O Inside Casing	Trans. Temp. (oC)				
E	797	797	237.56	234.42	237.56	21.73	508.62	288.38	797	0811
SQC	782	782	230.99	229.63	230.99	21.50				0815
D	732	732	209.30	202.73	209.30	21.22	435.52	296.48	732	0822
LQC	747	747	215.79	215.40	215.79	21.40				0819
SQC	717	717	202.75	198.80	202.75	21.03				0824
C	562	562	135.29	129.24	135.29	20.18	265.97	296.03	562	0829
LQC	577	577	141.84	137.25	141.84	20.56				0827
SQC	547	547	128.77	127.64	128.77	19.88				0830
B	462	462	91.80	85.82	91.80	19.15	165.80	296.20	462	0833
LQC	477	477	98.31	93.05	98.31	19.48				0832
SQC	447	447	85.27	95.93	85.27	18.95				0835
A	366	366	50.04	46.09	50.04	18.51	74.15	291.85	366	0839
LQC	381	381	56.54	51.63	56.54	18.65				0838

Comments:

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WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP1

DATE: 10-12-15

LOCATION: Foothill + Acacia Behind Stater Bros.

ELEV. TOP OF WASTBAY CASING 1228'

WEATHER: Clear

PROBE TYPE Westbay

SERIAL NO. EMS 4755

PROJECT Ensafe @ Rialto

OPERATOR(S) TK

ATM. PRESSURE (Patm): (start) 13.95 (finish) 14.05

Temp (°C) 26.90 18.40

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH²O Inside Casing	Trans. Temp. (oC)				
SQC	351	351	43.49	82.70	43.49	18.36				0842

Comments:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME Ensafe @ R.2/3				PROJECT NUMBER 151012-TP1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
Ultrameter II	6220413	10-12-15 0745	pH 7 10 4	pH 6.74 10.09 4.22	✓ ✓ ✓	24.7°C	TK
↓	↓	↓	3900 MS ~~mV~~ TK	3942 MS ~~mV~~ TK	✓ ~~✓~~ TK	24.4°C	↓
Dometer YSI 550	04B0822AC	↓	100%	83.1 %	✓	27.8°C	↓
Ultrameter II	6220413	10-13-15	pH 7 10 4	pH 7.17 9.87 4.19	✓ ✓	26.8°C	TK
↓	↓	↓	3900 MS	3851 MS	✓	24.8°C	↓
Do meter YSI 550	04B0822AC	↓	100%	104.3 %	✓	27.6°C	↓

Appendix C
Laboratory Analytical Reports — Groundwater Samples

Northern California
ACCUTEST
LABORATORIES

08/01/15

Technical Report for

United Technology Corporation

ENSTNM: UTC RFF Superfund Site - Rialto, CA

0888817231

Accutest Job Number: C40883

Sampling Dates: 07/20/15 - 07/21/15

Report to:

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

ATTN: Josh Teves

Total number of pages in report: **88**

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: C40883

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 0888817231

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C40883-1	07/20/15	12:50	MB	07/23/15	AQ	Ground Water	MP1G797
C40883-2	07/20/15	13:20	MB	07/23/15	AQ	Ground Water	MP1G732
C40883-3	07/20/15	13:45	MB	07/23/15	AQ	Ground Water	MP1G562
C40883-4	07/20/15	14:10	MB	07/23/15	AQ	Ground Water	MP1G462
C40883-5	07/20/15	14:30	MB	07/23/15	AQ	Ground Water	MP1G366
C40883-6	07/20/15	14:45	MB	07/23/15	AQ	Equipment Blank	EB1072015
C40883-7	07/21/15	08:20	MB	07/23/15	AQ	Ground Water	MP2G764
C40883-8	07/21/15	09:00	MB	07/23/15	AQ	Ground Water	MP2G714
C40883-9	07/21/15	09:35	MB	07/23/15	AQ	Ground Water	MP2G614
C40883-10	07/21/15	10:05	MB	07/23/15	AQ	Ground Water	MP2G510
C40883-11	07/21/15	10:35	MB	07/23/15	AQ	Ground Water	MP2G410
C40883-12	07/21/15	11:00	MB	07/23/15	AQ	Ground Water	MP2G350
C40883-13	07/21/15	12:30	MB	07/23/15	AQ	Ground Water	MP8G722

Sample Summary
(continued)

United Technology Corporation

Job No: C40883

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 0888817231

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C40883-14	07/21/15	13:00	MB	07/23/15	AQ	Ground Water	MP8G607
C40883-15	07/21/15	13:25	MB	07/23/15	AQ	Ground Water	MP8G492
C40883-16	07/21/15	13:45	MB	07/23/15	AQ	Ground Water	MP8G397
C40883-17	07/21/15	14:05	MB	07/23/15	AQ	Equipment Blank	MP8G347
C40883-18	07/21/15	11:10	MB	07/23/15	AQ	Equipment Blank	EB1072117
C40883-19	07/20/15	10:00	MB	07/23/15	AQ	Trip Blank Water	TB1072015

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C40883
Site:	ENSTNM: UTC RFF Superfund Site - Rialto, CA	**Report Date**	8/1/2015 5:54:15 AM

18 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected between 07/20/2015 and 07/21/2015 and were received at Accutest on 07/23/2015 properly preserved, at 3.1 Deg. C and intact. These Samples received an Accutest job number of C40883. 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:** VW2035

- Sample(s) C40763-1MS, C40763-1MSD were used as the QC samples indicated.
- RPD(s) for BSD for Dichlorodifluoromethane is outside laboratory control limits for sample VW2035-BSD. The associated BS/BSD spike recoveries are within control limits.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Tetrachloroethylene are outside control limits due to high level in sample relative to spike amount.
- RPD(s) for MSD for Tetrachloroethylene are outside laboratory control limits for sample C40763-1MSD.

Matrix: AQ **Batch ID:** VW2036

- Sample(s) C40935-8MS, C40935-8MSD were used as the QC samples indicated.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP8108

- Sample(s) C40858-1MS, C40858-1MSD were used as the QC samples for Perchlorate.

Matrix: AQ **Batch ID:** GP8115

- Sample(s) C40788-2MS, C40788-2MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM2510 B-97

Matrix: AQ **Batch ID:** GN16896

- Sample(s) C40883-9DUP 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: C40883
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 07/20/15 thru 07/21/15

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C40883-1	**MP1G797**					
Isopropyl Alcohol		8.6 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		217	1.0	1.0	umhos/cm	SM2510 B-97
C40883-2	**MP1G732**					
Specific Conductivity		299	1.0	1.0	umhos/cm	SM2510 B-97
C40883-3	**MP1G562**					
Perchlorate		1.0	1.0	0.65	ug/l	EPA 314
Specific Conductivity		283	1.0	1.0	umhos/cm	SM2510 B-97
C40883-4	**MP1G462**					
Isopropyl Alcohol		6.4 J	100	5.0	ug/l	SW846 8260B
Perchlorate		2.4	1.0	0.65	ug/l	EPA 314
Specific Conductivity		304	1.0	1.0	umhos/cm	SM2510 B-97
C40883-5	**MP1G366**					
Perchlorate		4.8	1.0	0.65	ug/l	EPA 314
Specific Conductivity		145	1.0	1.0	umhos/cm	SM2510 B-97
C40883-6	**EB1072015**					
No hits reported in this sample.						
C40883-7	**MP2G764**					
Specific Conductivity		505	1.0	1.0	umhos/cm	SM2510 B-97
C40883-8	**MP2G714**					
Specific Conductivity		305	1.0	1.0	umhos/cm	SM2510 B-97
C40883-9	**MP2G614**					
Specific Conductivity		248	1.0	1.0	umhos/cm	SM2510 B-97
C40883-10	**MP2G510**					
Perchlorate		1.0	1.0	0.65	ug/l	EPA 314
Specific Conductivity		315	1.0	1.0	umhos/cm	SM2510 B-97

Summary of Hits

Job Number: C40883
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 07/20/15 thru 07/21/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C40883-11	**MP2G410**					
cis-1,2-Dichloroethylene		0.26 J	1.0	0.20	ug/l	SW846 8260B
Tetrachloroethylene		1.2	1.0	0.30	ug/l	SW846 8260B
Perchlorate		9.2	1.0	0.65	ug/l	EPA 314
Specific Conductivity		547	1.0	1.0	umhos/cm	SM2510 B-97
C40883-12	**MP2G350**					
Isopropyl Alcohol		6.8 J	100	5.0	ug/l	SW846 8260B
Perchlorate		2.1	1.0	0.65	ug/l	EPA 314
Specific Conductivity		477	1.0	1.0	umhos/cm	SM2510 B-97
C40883-13	**MP8G722**					
Isopropyl Alcohol		5.8 J	100	5.0	ug/l	SW846 8260B
Perchlorate		0.99 J	1.0	0.65	ug/l	EPA 314
Specific Conductivity		201	1.0	1.0	umhos/cm	SM2510 B-97
C40883-14	**MP8G607**					
Isopropyl Alcohol		8.6 J	100	5.0	ug/l	SW846 8260B
Perchlorate		1.6	1.0	0.65	ug/l	EPA 314
Specific Conductivity		175	1.0	1.0	umhos/cm	SM2510 B-97
C40883-15	**MP8G492**					
Isopropyl Alcohol		6.3 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		282	1.0	1.0	umhos/cm	SM2510 B-97
C40883-16	**MP8G397**					
Isopropyl Alcohol		9.6 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		281	1.0	1.0	umhos/cm	SM2510 B-97
C40883-17	**MP8G347**					
Perchlorate		0.77 J	1.0	0.65	ug/l	EPA 314
Specific Conductivity		194	1.0	1.0	umhos/cm	SM2510 B-97
C40883-18	**EB1072117**					
Isopropyl Alcohol		12.0 J	100	5.0	ug/l	SW846 8260B

Summary of Hits

Job Number: C40883
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 07/20/15 thru 07/21/15

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C40883-19	**TB1072015**					

No hits reported in this sample.

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MP1G797		
Lab Sample ID:	C40883-1	**Date Sampled:**	07/20/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	W55213.D	1	07/24/15	JC	n/a	n/a	VW2035
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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	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:	C40883-1	**Date Sampled:**	07/20/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	100%		70-130%
460-00-4	4-Bromofluorobenzene	98%		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:	C40883-1	**Date Sampled:**	07/20/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
		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	0.65 U	1.0	0.65	ug/l	1	07/24/15 22:23	PH	EPA 314
Specific Conductivity	217	1.0	1.0	umhos/cm	1	07/23/15 15:20	PH	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:	MP1G732		
Lab Sample ID:	C40883-2	**Date Sampled:**	07/20/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	W55214.D	1	07/24/15	JC	n/a	n/a	VW2035
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	MP1G732		
Lab Sample ID:	C40883-2	**Date Sampled:**	07/20/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	99%		70-130%
460-00-4	4-Bromofluorobenzene	97%		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:	C40883-2	**Date Sampled:**	07/20/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
		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	0.65 U	1.0	0.65	ug/l	1	07/24/15 22:41	PH	EPA 314
Specific Conductivity	299	1.0	1.0	umhos/cm	1	07/23/15 15:20	PH	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:	MP1G562		
Lab Sample ID:	C40883-3	**Date Sampled:**	07/20/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	W55215.D	1	07/24/15	JC	n/a	n/a	VW2035
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	C40883-3	**Date Sampled:**	07/20/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	100%		70-130%
460-00-4	4-Bromofluorobenzene	98%		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:	C40883-3	**Date Sampled:**	07/20/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
		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	0.65	ug/l	1	07/24/15 22:59	PH	EPA 314
Specific Conductivity	283	1.0	1.0	umhos/cm	1	07/23/15 15:20	PH	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:	MP1G462		
Lab Sample ID:	C40883-4	**Date Sampled:**	07/20/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	W55216.D	1	07/24/15	JC	n/a	n/a	VW2035
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	MP1G462		
Lab Sample ID:	C40883-4	**Date Sampled:**	07/20/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	99%		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:	MP1G462		
Lab Sample ID:	C40883-4	**Date Sampled:**	07/20/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
		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	0.65	ug/l	1	07/24/15 23:16	PH	EPA 314
Specific Conductivity	304	1.0	1.0	umhos/cm	1	07/23/15 15:20	PH	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:	MP1G366		
Lab Sample ID:	C40883-5	**Date Sampled:**	07/20/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	W55217.D	1	07/24/15	JC	n/a	n/a	VW2035
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	MP1G366		
Lab Sample ID:	C40883-5	**Date Sampled:**	07/20/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	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:	MP1G366		
Lab Sample ID:	C40883-5	**Date Sampled:**	07/20/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
		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	4.8	1.0	0.65	ug/l	1	07/25/15 00:28	PH	EPA 314
Specific Conductivity	145	1.0	1.0	umhos/cm	1	07/23/15 15:20	PH	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:	EB1072015		
Lab Sample ID:	C40883-6	**Date Sampled:**	07/20/15
Matrix:	AQ - Equipment Blank	**Date Received:**	07/23/15
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	W55218.D	1	07/24/15	JC	n/a	n/a	VW2035
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	EB1072015		
Lab Sample ID:	C40883-6	**Date Sampled:**	07/20/15
Matrix:	AQ - Equipment Blank	**Date Received:**	07/23/15
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	100%		70-130%
460-00-4	4-Bromofluorobenzene	98%		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:	EB1072015		
Lab Sample ID:	C40883-6	**Date Sampled:**	07/20/15
Matrix:	AQ - Equipment Blank	**Date Received:**	07/23/15
		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	0.65 U	1.0	0.65	ug/l	1	07/24/15 23:34	PH	EPA 314
Specific Conductivity	1.0 U	1.0	1.0	umhos/cm	1	07/23/15 15:20	PH	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:	MP2G764		
Lab Sample ID:	C40883-7	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	W55219.D	1	07/24/15	JC	n/a	n/a	VW2035
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	MP2G764		
Lab Sample ID:	C40883-7	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	100%		70-130%
460-00-4	4-Bromofluorobenzene	97%		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:	C40883-7	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
		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	0.65 U	1.0	0.65	ug/l	1	07/25/15 00:46	PH	EPA 314
Specific Conductivity	505	1.0	1.0	umhos/cm	1	07/23/15 15:20	PH	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:	MP2G714		
Lab Sample ID:	C40883-8	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	W55220.D	1	07/24/15	JC	n/a	n/a	VW2035
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	MP2G714		
Lab Sample ID:	C40883-8	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	99%		70-130%
460-00-4	4-Bromofluorobenzene	97%		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:	C40883-8	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
		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	0.65 U	1.0	0.65	ug/l	1	07/25/15 01:04	PH	EPA 314
Specific Conductivity	305	1.0	1.0	umhos/cm	1	07/23/15 15:20	PH	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:	MP2G614		
Lab Sample ID:	C40883-9	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	W55221.D	1	07/24/15	JC	n/a	n/a	VW2035
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	MP2G614		
Lab Sample ID:	C40883-9	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	101%		70-130%
460-00-4	4-Bromofluorobenzene	98%		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:	C40883-9	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
		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	0.65 U	1.0	0.65	ug/l	1	07/25/15 01:21	PH	EPA 314
Specific Conductivity	248	1.0	1.0	umhos/cm	1	07/23/15 15:20	PH	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:	MP2G510		
Lab Sample ID:	C40883-10	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	W55222.D	1	07/24/15	JC	n/a	n/a	VW2035
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	C40883-10	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	101%		70-130%
460-00-4	4-Bromofluorobenzene	97%		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:	C40883-10	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
		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	0.65	ug/l	1	07/25/15 01:39	PH	EPA 314
Specific Conductivity	315	1.0	1.0	umhos/cm	1	07/23/15 15:20	PH	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:	MP2G410		
Lab Sample ID:	C40883-11	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	W55223.D	1	07/24/15	JC	n/a	n/a	VW2035
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.26	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	1.2	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:	C40883-11	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	100%		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:	MP2G410		
Lab Sample ID:	C40883-11	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
		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	9.2	1.0	0.65	ug/l	1	07/25/15 01:57	PH	EPA 314
Specific Conductivity	547	1.0	1.0	umhos/cm	1	07/23/15 15:20	PH	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:	MP2G350		
Lab Sample ID:	C40883-12	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	W55224.D	1	07/24/15	JC	n/a	n/a	VW2035
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	6.8	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:	MP2G350		
Lab Sample ID:	C40883-12	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	99%		70-130%
460-00-4	4-Bromofluorobenzene	97%		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:	C40883-12	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
		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	0.65	ug/l	1	07/26/15 14:56	PH	EPA 314
Specific Conductivity	477	1.0	1.0	umhos/cm	1	07/23/15 15:20	PH	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:	MP8G722		
Lab Sample ID:	C40883-13	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	W55234.D	1	07/27/15	CV	n/a	n/a	VW2036
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	5.8	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:	MP8G722		
Lab Sample ID:	C40883-13	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	103%		70-130%
460-00-4	4-Bromofluorobenzene	98%		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:	C40883-13	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
		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	0.99 J	1.0	0.65	ug/l	1	07/26/15 15:14	PH	EPA 314
Specific Conductivity	201	1.0	1.0	umhos/cm	1	07/23/15 15:20	PH	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:	MP8G607		
Lab Sample ID:	C40883-14	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	W55235.D	1	07/27/15	CV	n/a	n/a	VW2036
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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	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:	MP8G607		
Lab Sample ID:	C40883-14	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	98%		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:	C40883-14	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
		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	1.6	1.0	0.65	ug/l	1	07/26/15 15:31	PH	EPA 314
Specific Conductivity	175	1.0	1.0	umhos/cm	1	07/23/15 15:20	PH	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:	MP8G492		
Lab Sample ID:	C40883-15	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	W55236.D	1	07/27/15	CV	n/a	n/a	VW2036
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	6.3	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	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C40883-15	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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:	MP8G492		
Lab Sample ID:	C40883-15	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
		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	0.65 U	1.0	0.65	ug/l	1	07/26/15 15:49	PH	EPA 314
Specific Conductivity	282	1.0	1.0	umhos/cm	1	07/23/15 15:20	PH	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:	MP8G397		
Lab Sample ID:	C40883-16	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	W55237.D	1	07/27/15	CV	n/a	n/a	VW2036
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	9.6	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:	MP8G397		
Lab Sample ID:	C40883-16	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
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	102%		70-130%
460-00-4	4-Bromofluorobenzene	97%		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:	C40883-16	**Date Sampled:**	07/21/15
Matrix:	AQ - Ground Water	**Date Received:**	07/23/15
		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	0.65 U	1.0	0.65	ug/l	1	07/26/15 16:07	PH	EPA 314
Specific Conductivity	281	1.0	1.0	umhos/cm	1	07/23/15 15:20	PH	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:	MP8G347		
Lab Sample ID:	C40883-17	**Date Sampled:**	07/21/15
Matrix:	AQ - Equipment Blank	**Date Received:**	07/23/15
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	W55238.D	1	07/27/15	CV	n/a	n/a	VW2036
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	C40883-17	**Date Sampled:**	07/21/15
Matrix:	AQ - Equipment Blank	**Date Received:**	07/23/15
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	97%		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:	C40883-17	**Date Sampled:**	07/21/15
Matrix:	AQ - Equipment Blank	**Date Received:**	07/23/15
		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	0.77 J	1.0	0.65	ug/l	1	07/26/15 17:01	PH	EPA 314
Specific Conductivity	194	1.0	1.0	umhos/cm	1	07/23/15 15:20	PH	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:	EB1072117		
Lab Sample ID:	C40883-18	**Date Sampled:**	07/21/15
Matrix:	AQ - Equipment Blank	**Date Received:**	07/23/15
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	W55239.D	1	07/27/15	CV	n/a	n/a	VW2036
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	12.0	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:	EB1072117		
Lab Sample ID:	C40883-18	**Date Sampled:**	07/21/15
Matrix:	AQ - Equipment Blank	**Date Received:**	07/23/15
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	97%		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:	EB1072117		
Lab Sample ID:	C40883-18	**Date Sampled:**	07/21/15
Matrix:	AQ - Equipment Blank	**Date Received:**	07/23/15
		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	0.65 U	1.0	0.65	ug/l	1	07/25/15 02:15	PH	EPA 314
Specific Conductivity	1.0 U	1.0	1.0	umhos/cm	1	07/23/15 15:20	PH	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:	TB1072015		
Lab Sample ID:	C40883-19	**Date Sampled:**	07/20/15
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/23/15
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	W55209.D	1	07/24/15	JC	n/a	n/a	VW2035
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	TB1072015		
Lab Sample ID:	C40883-19	**Date Sampled:**	07/20/15
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/23/15
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	100%		70-130%
460-00-4	4-Bromofluorobenzene	97%		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

Pg 1/2

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

FED-EX Tracking # 8083 7750 1995
Accutest Quote #
Bottle Order Control #
Accutest NC Job #: C40883

Client / Reporting Information

Company Name: Ensafe
Address: 2151 Salvio STE 301
City: Concord State: Ca Zip: 94520
Project Contact: Josh Teves
Phone #: 925 305 2109
Samplers's Name: Maulik Barishi

Project Information

Project Name: VTC-RFF Superfund
Street:
City: Rialto State: Ca
Project #: 0888817231
EMAIL: jteves@ensafe.com
Client Purchase Order #: 19211

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	8260B VOCs	E314 Perchlorate
1	MP1G-797	7/20	1250	MB	GW	4	3				1				X	X
2	MP1G-732	7/20	1320	MB	GW	4	3				1				X	X
3	MP1G-562	7/20	1345	MB	GW	4	3				1				X	X
4	MP1G-462	7/20	1410	MB	GW	4	3				1				X	X
5	MP1G-366	7/20	1430	MB	GW	4	3				1				X	X
6	EB1072015	7/20	1445	MB	WQ	4	3				1				X	X
7	MP2G-764	7/21	0820	MB	GW	4	3				1				X	X
8	MP2G-714	7/21	0900	MB	GW	4	3				1				X	X
9	MP2G-614	7/21	0935	MB	GW	4	3				1				X	X
10	MP2G-510	7/21	1005	MB	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:

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 w/ J-flags
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	7-21 1515	1 7-21 1515	2	7-21 1800	2
Relinquished by: 3 FEDEX	Date Time: 7/23/15 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
				Labels match Coc? Y / N	Separate Receiving C

On Ice Y/N Cooler Temp. 3.2-2.1=3.1

IRVINE

C40883: Chain of Custody
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CHAIN OF CUSTODY

Pg 2/2

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 C40683

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

Project Information

Project Name: UTL RFF superfund
Street:
City: Rialto, State: Ca
Project #: 08888 17231
EMAIL: jteves@ensafe.com
Client Purchase Order #: 19211

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	8260 B VOC	Perchlorate EPA 314
11	MP26-410	7/21	1035	MB	GW	4	3				1				X	X
12	MP26-350	7/21	1100	MB	GW	4	3				1				X	X
13	MP86-722	7/21	1230	MB	GW	4	3				1				X	X
14	MP86-607	7/21	1300	MB	GW	4	3				1				X	X
15	MP86-492	7/21	1325	MB	GW	4	3				1				X	X
16	MP86-397	7/21	1345	MB	GW	4	3				1				X	X
17	MP86-347	7/21	1405	MB	GW	4	3				1				X	X
18	EB1072115	7/21	1110	MB	WQ	4	3				1				X	X
19	TB1072015	7/20	1000	MB	WQ	2	2								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:

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
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 7/21/15	7-21 1515	1	2	7-21 1800	2
Relinquished by: 3 FedEx	Date Time: 7/21/15 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

5.1 5

C40883: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C40883 **Client:** ENSAFE **Project:** UTC-RFF SUPERFUND

Date / Time Received: 7/23/2015 9:10:00 AM **Delivery Method:** FedEx **Airbill #'s:** 808377501995

Cooler Temps (Initial/Adjusted): #1: (3.2/3.1);

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. 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

5.1

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C40883: 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: C40883
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
VW2035-MB	W55206.D	1	07/24/15	JC	n/a	n/a	VW2035

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

C40883-1, C40883-2, C40883-3, C40883-4, C40883-5, C40883-6, C40883-7, C40883-8, C40883-9, C40883-10, C40883-11, C40883-12, C40883-19

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	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: C40883
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
VW2035-MB	W55206.D	1	07/24/15	JC	n/a	n/a	VW2035

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

C40883-1, C40883-2, C40883-3, C40883-4, C40883-5, C40883-6, C40883-7, C40883-8, C40883-9, C40883-10, C40883-11, C40883-12, C40883-19

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	101%	70-130%
2037-26-5	Toluene-D8	100%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

Method Blank Summary

Job Number: C40883
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
VW2036-MB	W55233.D	1	07/27/15	CV	n/a	n/a	VW2036

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

C40883-13, C40883-14, C40883-15, C40883-16, C40883-17, C40883-18

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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: C40883
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
VW2036-MB	W55233.D	1	07/27/15	CV	n/a	n/a	VW2036

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

C40883-13, C40883-14, C40883-15, C40883-16, C40883-17, C40883-18

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	102%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40883
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
VW2035-BS	W55204.D	1	07/24/15	JC	n/a	n/a	VW2035
VW2035-BSD	W55207.D	1	07/24/15	JC	n/a	n/a	VW2035

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

C40883-1, C40883-2, C40883-3, C40883-4, C40883-5, C40883-6, C40883-7, C40883-8, C40883-9, C40883-10, C40883-11, C40883-12, C40883-19

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	17.2	86	17.5	88	2	77-122/25
108-90-7	Chlorobenzene	20	17.7	89	17.7	89	0	77-122/16
75-00-3	Chloroethane	20	16.3	82	17.7	89	8	69-133/18
67-66-3	Chloroform	20	17.3	87	17.8	89	3	74-126/17
56-23-5	Carbon tetrachloride	20	17.0	85	18.4	92	8	71-133/19
75-34-3	1,1-Dichloroethane	20	16.5	83	17.4	87	5	71-125/17
75-35-4	1,1-Dichloroethylene	20	15.4	77	17.3	87	12	66-125/20
106-93-4	1,2-Dibromoethane	20	18.5	93	18.4	92	1	75-135/17
107-06-2	1,2-Dichloroethane	20	17.8	89	18.0	90	1	71-131/17
78-87-5	1,2-Dichloropropane	20	18.1	91	18.1	91	0	78-124/16
75-71-8	Dichlorodifluoromethane	20	12.5	63	16.9	85	30* [a]	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	18.5	93	19.0	95	3	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	19.4	97	19.4	97	0	72-130/16
541-73-1	m-Dichlorobenzene	20	17.8	89	17.9	90	1	75-124/16
95-50-1	o-Dichlorobenzene	20	18.1	91	17.9	90	1	76-124/16
106-46-7	p-Dichlorobenzene	20	17.9	90	17.9	90	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	18.3	92	18.1	91	1	71-126/16
100-41-4	Ethylbenzene	20	17.8	89	18.1	91	2	76-126/17
76-13-1	Freon 113	20	15.3	77	17.7	89	15	60-145/25
87-68-3	Hexachlorobutadiene	20	18.1	91	17.7	89	2	69-135/20
67-63-0	Isopropyl Alcohol	400	422	106	393	98	7	70-130/20
74-83-9	Methyl bromide	20	17.7	89	18.7	94	5	68-132/18
74-87-3	Methyl chloride	20	16.5	83	17.4	87	5	39-150/28
75-09-2	Methylene chloride	20	16.4	82	17.0	85	4	67-128/18
100-42-5	Styrene	20	18.6	93	18.5	93	1	72-134/16
71-55-6	1,1,1-Trichloroethane	20	16.9	85	18.3	92	8	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	19.0	95	18.7	94	2	77-129/17
79-00-5	1,1,2-Trichloroethane	20	18.1	91	18.0	90	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	18.6	93	17.6	88	6	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	17.8	89	18.1	91	2	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	18.6	93	19.0	95	2	77-129/17
127-18-4	Tetrachloroethylene	20	17.0	85	17.5	88	3	69-127/20
108-88-3	Toluene	20	17.6	88	17.8	89	1	75-122/17
79-01-6	Trichloroethylene	20	17.0	85	17.6	88	3	78-123/17
75-69-4	Trichlorofluoromethane	20	16.1	81	19.9	100	21	65-136/23
75-01-4	Vinyl chloride	20	14.8	74	18.0	90	20	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40883
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
VW2035-BS	W55204.D	1	07/24/15	JC	n/a	n/a	VW2035
VW2035-BSD	W55207.D	1	07/24/15	JC	n/a	n/a	VW2035

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

C40883-1, C40883-2, C40883-3, C40883-4, C40883-5, C40883-6, C40883-7, C40883-8, C40883-9, C40883-10, C40883-11, C40883-12, C40883-19

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	35.6	89	36.1	90	1	76-125/17
95-47-6	o-Xylene	20	17.8	89	18.0	90	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	100%	102%	70-130%
2037-26-5	Toluene-D8	98%	99%	70-130%
460-00-4	4-Bromofluorobenzene	99%	100%	70-130%

(a) Outside laboratory control limits.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40883
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
VW2036-BS	W55230.D	1	07/27/15	CV	n/a	n/a	VW2036
VW2036-BSD	W55231.D	1	07/27/15	CV	n/a	n/a	VW2036

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

C40883-13, C40883-14, C40883-15, C40883-16, C40883-17, C40883-18

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	19.6	98	3	77-122/25
108-90-7	Chlorobenzene	20	20.2	101	20.1	101	0	77-122/16
75-00-3	Chloroethane	20	18.9	95	17.7	89	7	69-133/18
67-66-3	Chloroform	20	20.1	101	19.6	98	3	74-126/17
56-23-5	Carbon tetrachloride	20	20.6	103	19.6	98	5	71-133/19
75-34-3	1,1-Dichloroethane	20	19.8	99	19.3	97	3	71-125/17
75-35-4	1,1-Dichloroethylene	20	19.9	100	18.9	95	5	66-125/20
106-93-4	1,2-Dibromoethane	20	20.5	103	20.7	104	1	75-135/17
107-06-2	1,2-Dichloroethane	20	20.0	100	19.7	99	2	71-131/17
78-87-5	1,2-Dichloropropane	20	20.4	102	20.2	101	1	78-124/16
75-71-8	Dichlorodifluoromethane	20	28.3	142	24.8	124	13	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	21.5	108	21.0	105	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	21.8	109	21.5	108	1	72-130/16
541-73-1	m-Dichlorobenzene	20	20.4	102	20.1	101	1	75-124/16
95-50-1	o-Dichlorobenzene	20	20.4	102	20.3	102	0	76-124/16
106-46-7	p-Dichlorobenzene	20	20.4	102	20.3	102	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	20.7	104	20.5	103	1	71-126/16
100-41-4	Ethylbenzene	20	20.9	105	20.5	103	2	76-126/17
76-13-1	Freon 113	20	20.3	102	18.7	94	8	60-145/25
87-68-3	Hexachlorobutadiene	20	21.3	107	21.2	106	0	69-135/20
67-63-0	Isopropyl Alcohol	400	428	107	414	104	3	70-130/20
74-83-9	Methyl bromide	20	20.7	104	19.8	99	4	68-132/18
74-87-3	Methyl chloride	20	21.1	106	20.8	104	1	39-150/28
75-09-2	Methylene chloride	20	19.1	96	18.5	93	3	67-128/18
100-42-5	Styrene	20	21.5	108	21.2	106	1	72-134/16
71-55-6	1,1,1-Trichloroethane	20	20.2	101	19.3	97	5	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	20.4	102	20.5	103	0	77-129/17
79-00-5	1,1,2-Trichloroethane	20	20.0	100	20.1	101	0	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	20.3	102	20.6	103	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	21.0	105	20.5	103	2	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	22.0	110	21.4	107	3	77-129/17
127-18-4	Tetrachloroethylene	20	19.9	100	21.1	106	6	69-127/20
108-88-3	Toluene	20	20.5	103	20.3	102	1	75-122/17
79-01-6	Trichloroethylene	20	19.9	100	19.4	97	3	78-123/17
75-69-4	Trichlorofluoromethane	20	21.9	110	19.7	99	11	65-136/23
75-01-4	Vinyl chloride	20	22.3	112	20.0	100	11	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40883
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
VW2036-BS	W55230.D	1	07/27/15	CV	n/a	n/a	VW2036
VW2036-BSD	W55231.D	1	07/27/15	CV	n/a	n/a	VW2036

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

C40883-13, C40883-14, C40883-15, C40883-16, C40883-17, C40883-18

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	41.7	104	41.0	103	2	76-125/17
95-47-6	o-Xylene	20	20.6	103	20.4	102	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	102%	101%	70-130%
2037-26-5	Toluene-D8	101%	102%	70-130%
460-00-4	4-Bromofluorobenzene	100%	101%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40883
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
C40763-1MS	W55225.D	125	07/24/15	JC	n/a	n/a	VW2035
C40763-1MSD	W55226.D	125	07/24/15	JC	n/a	n/a	VW2035
C40763-1	W55208.D	125	07/24/15	JC	n/a	n/a	VW2035

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

C40883-1, C40883-2, C40883-3, C40883-4, C40883-5, C40883-6, C40883-7, C40883-8, C40883-9, C40883-10, C40883-11, C40883-12, C40883-19

CAS No.	Compound	C40763-1 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		2500	2150	86	2500	2190	88	2	77-122/16
108-90-7	Chlorobenzene	ND		2500	2150	86	2500	2190	88	2	77-122/16
75-00-3	Chloroethane	ND		2500	2220	89	2500	2100	84	6	69-133/18
67-66-3	Chloroform	ND		2500	2250	90	2500	2250	90	0	74-126/17
56-23-5	Carbon tetrachloride	ND		2500	2130	85	2500	2130	85	0	71-133/19
75-34-3	1,1-Dichloroethane	ND		2500	2190	88	2500	2200	88	0	71-125/17
75-35-4	1,1-Dichloroethylene	ND		2500	1940	78	2500	1920	77	1	66-125/20
106-93-4	1,2-Dibromoethane	ND		2500	2260	90	2500	2280	91	1	75-135/17
107-06-2	1,2-Dichloroethane	ND		2500	2290	92	2500	2310	92	1	71-131/17
78-87-5	1,2-Dichloropropane	ND		2500	2280	91	2500	2300	92	1	78-124/16
75-71-8	Dichlorodifluoromethane	ND		2500	2070	83	2500	1910	76	8	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		2500	2400	96	2500	2400	96	0	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		2500	2330	93	2500	2390	96	3	72-130/16
541-73-1	m-Dichlorobenzene	ND		2500	2090	84	2500	2150	86	3	75-124/16
95-50-1	o-Dichlorobenzene	ND		2500	2120	85	2500	2170	87	2	76-124/16
106-46-7	p-Dichlorobenzene	ND		2500	2120	85	2500	2170	87	2	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		2500	2140	86	2500	2180	87	2	71-126/16
100-41-4	Ethylbenzene	ND		2500	2200	88	2500	2240	90	2	76-126/17
76-13-1	Freon 113	ND		2500	1950	78	2500	1910	76	2	60-145/25
87-68-3	Hexachlorobutadiene	140	J	2500	1920	71	2500	2090	78	8	69-135/20
67-63-0	Isopropyl Alcohol	4050	J	50000	55200	102	50000	54600	101	1	70-130/20
74-83-9	Methyl bromide	ND		2500	2350	94	2500	2240	90	5	68-132/18
74-87-3	Methyl chloride	ND		2500	2180	87	2500	2090	84	4	39-150/28
75-09-2	Methylene chloride	ND		2500	2110	84	2500	2120	85	0	67-128/18
100-42-5	Styrene	ND		2500	2290	92	2500	2320	93	1	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		2500	2210	88	2500	2190	88	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		2500	2240	90	2500	2270	91	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		2500	2230	89	2500	2250	90	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	99.8	J	2500	1970	75	2500	2120	81	7	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		2500	2150	86	2500	2200	88	2	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		2500	2210	88	2500	2270	91	3	77-129/17
127-18-4	Tetrachloroethylene	6720		2500	8070	54* [a]	2500	6470	-10* [a]	22* [b]	69-127/20
108-88-3	Toluene	ND		2500	2150	86	2500	2190	88	2	75-122/17
79-01-6	Trichloroethylene	204		2500	2300	84	2500	2290	83	0	78-123/17
75-69-4	Trichlorofluoromethane	ND		2500	2450	98	2500	2280	91	7	65-136/23
75-01-4	Vinyl chloride	ND		2500	2430	97	2500	2150	86	12	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40883
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
C40763-1MS	W55225.D	125	07/24/15	JC	n/a	n/a	VW2035
C40763-1MSD	W55226.D	125	07/24/15	JC	n/a	n/a	VW2035
C40763-1	W55208.D	125	07/24/15	JC	n/a	n/a	VW2035

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

C40883-1, C40883-2, C40883-3, C40883-4, C40883-5, C40883-6, C40883-7, C40883-8, C40883-9, C40883-10, C40883-11, C40883-12, C40883-19

CAS No.	Compound	C40763-1 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		5000	4380	88	5000	4460	89	2	76-125/17
95-47-6	o-Xylene	ND		2500	2200	88	2500	2230	89	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C40763-1	Limits
1868-53-7	Dibromofluoromethane	106%	104%	98%	70-130%
2037-26-5	Toluene-D8	98%	98%	97%	70-130%
460-00-4	4-Bromofluorobenzene	100%	100%	96%	70-130%

(a) Outside control limits due to high level in sample relative to spike amount.
(b) Outside laboratory control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40883
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
C40935-8MS	W55252.D	5	07/27/15	CV	n/a	n/a	VW2036
C40935-8MSD	W55253.D	5	07/27/15	CV	n/a	n/a	VW2036
C40935-8 [a]	W55251.D	5	07/27/15	CV	n/a	n/a	VW2036

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

C40883-13, C40883-14, C40883-15, C40883-16, C40883-17, C40883-18

CAS No.	Compound	C40935-8 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		100	103	103	100	101	101	2	77-122/16
108-90-7	Chlorobenzene	ND		100	99.8	100	100	100	100	0	77-122/16
75-00-3	Chloroethane	ND		100	94.2	94	100	95.3	95	1	69-133/18
67-66-3	Chloroform	ND		100	106	106	100	102	102	4	74-126/17
56-23-5	Carbon tetrachloride	ND		100	107	107	100	103	103	4	71-133/19
75-34-3	1,1-Dichloroethane	ND		100	106	106	100	102	102	4	71-125/17
75-35-4	1,1-Dichloroethylene	ND		100	99.6	100	100	100	100	0	66-125/20
106-93-4	1,2-Dibromoethane	ND		100	104	104	100	104	104	0	75-135/17
107-06-2	1,2-Dichloroethane	ND		100	108	108	100	105	105	3	71-131/17
78-87-5	1,2-Dichloropropane	ND		100	106	106	100	104	104	2	78-124/16
75-71-8	Dichlorodifluoromethane	ND		100	149	149	100	141	141	6	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		100	112	112	100	109	109	3	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		100	112	112	100	110	110	2	72-130/16
541-73-1	m-Dichlorobenzene	ND		100	99.1	99	100	101	101	2	75-124/16
95-50-1	o-Dichlorobenzene	ND		100	102	102	100	103	103	1	76-124/16
106-46-7	p-Dichlorobenzene	ND		100	100	100	100	101	101	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		100	103	103	100	104	104	1	71-126/16
100-41-4	Ethylbenzene	ND		100	103	103	100	103	103	0	76-126/17
76-13-1	Freon 113	ND		100	104	104	100	98.0	98	6	60-145/25
87-68-3	Hexachlorobutadiene	ND		100	93.6	94	100	98.0	98	5	69-135/20
67-63-0	Isopropyl Alcohol	56.0	J	2000	2270	111	2000	2310	113	2	70-130/20
74-83-9	Methyl bromide	ND		100	100	100	100	104	104	4	68-132/18
74-87-3	Methyl chloride	ND		100	104	104	100	101	101	3	39-150/28
75-09-2	Methylene chloride	ND		100	101	101	100	99.3	99	2	67-128/18
100-42-5	Styrene	ND		100	106	106	100	107	107	1	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		100	106	106	100	102	102	4	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	110	110	100	109	109	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		100	104	104	100	103	103	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		100	99.9	100	100	101	101	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	1.4	J	100	103	102	100	104	103	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		100	105	105	100	108	108	3	77-129/17
127-18-4	Tetrachloroethylene	ND		100	98.8	99	100	118	118	18	69-127/20
108-88-3	Toluene	2.4	J	100	104	102	100	103	101	1	75-122/17
79-01-6	Trichloroethylene	ND		100	101	101	100	100	100	1	78-123/17
75-69-4	Trichlorofluoromethane	ND		100	115	115	100	112	112	3	65-136/23
75-01-4	Vinyl chloride	ND		100	115	115	100	121	121	5	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40883
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
C40935-8MS	W55252.D	5	07/27/15	CV	n/a	n/a	VW2036
C40935-8MSD	W55253.D	5	07/27/15	CV	n/a	n/a	VW2036
C40935-8 [a]	W55251.D	5	07/27/15	CV	n/a	n/a	VW2036

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

C40883-13, C40883-14, C40883-15, C40883-16, C40883-17, C40883-18

CAS No.	Compound	C40935-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	1.7	J	200	206	102	200	205	102	0	76-125/17
95-47-6	o-Xylene	ND		100	102	102	100	103	103	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C40935-8	Limits
1868-53-7	Dibromofluoromethane	109%	106%	105%	70-130%
2037-26-5	Toluene-D8	101%	102%	103%	70-130%
460-00-4	4-Bromofluorobenzene	102%	101%	99%	70-130%

(a) Dilution required due to sample foaming.

* = 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: C40883
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	GP8108/GN16916	3.0	0.0	ug/l	25	24.7	98.8	85-115%
Perchlorate	GP8115/GN16934	3.0	0.0	ug/l	25	24.7	98.8	85-115%
Specific Conductivity	GN16896	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP8108: C40883-1, C40883-2, C40883-3, C40883-4, C40883-5, C40883-6, C40883-7, C40883-8, C40883-9, C40883-10, C40883-11, C40883-18
Batch GP8115: C40883-12, C40883-13, C40883-14, C40883-15, C40883-16, C40883-17
Batch GN16896: C40883-1, C40883-2, C40883-3, C40883-4, C40883-5, C40883-6, C40883-7, C40883-8, C40883-9, C40883-10, C40883-11, C40883-12, C40883-13, C40883-14, C40883-15, C40883-16, C40883-17, C40883-18
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40883
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	GP8108/GN16916	ug/l	25	24.9	0.8	
Perchlorate	GP8115/GN16934	ug/l	25	24.2	2.0	

Associated Samples:
Batch GP8108: C40883-1, C40883-2, C40883-3, C40883-4, C40883-5, C40883-6, C40883-7, C40883-8, C40883-9, C40883-10, C40883-11, C40883-18
Batch GP8115: C40883-12, C40883-13, C40883-14, C40883-15, C40883-16, C40883-17
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40883
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	GN16896	C40883-9	umhos/cm	248	249	0.4	0-10%

Associated Samples:
Batch GN16896: C40883-1, C40883-2, C40883-3, C40883-4, C40883-5, C40883-6, C40883-7, C40883-8, C40883-9, C40883-10, C40883-11, C40883-12, C40883-13, C40883-14, C40883-15, C40883-16, C40883-17, C40883-18
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40883
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	GP8108/GN16916	C40858-1	ug/l	1.1	25	23.4	89.2	80-120%
Perchlorate	GP8115/GN16934	C40788-2	ug/l	2.3	25	29.3	108.0	80-120%

Associated Samples:
Batch GP8108: C40883-1, C40883-2, C40883-3, C40883-4, C40883-5, C40883-6, C40883-7, C40883-8, C40883-9, C40883-10, C40883-11, C40883-18
Batch GP8115: C40883-12, C40883-13, C40883-14, C40883-15, C40883-16, C40883-17
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40883
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	GP8108/GN16916	C40858-1	ug/l	1.1	25	24.1	2.9	15%
Perchlorate	GP8115/GN16934	C40788-2	ug/l	2.3	25	31.6	7.6	15%

Associated Samples:
Batch GP8108: C40883-1, C40883-2, C40883-3, C40883-4, C40883-5, C40883-6, C40883-7, C40883-8, C40883-9, C40883-10, C40883-11, C40883-18
Batch GP8115: C40883-12, C40883-13, C40883-14, C40883-15, C40883-16, C40883-17
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
ACCUTEST
LABORATORIES

09/10/15

Technical Report for

United Technology Corporation

ENSTNM: UTC RFF Superfund Site - Rialto, CA

0888817231

Accutest Job Number: C40917

Sampling Date: 07/24/15

Report to:

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Total number of pages in report: **68**

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: C40917

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 0888817231

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C40917-1	07/24/15	08:05	MB	07/25/15	AQ	Ground Water	PW10G745
C40917-2	07/24/15	08:30	MB	07/25/15	AQ	Ground Water	PW10G605
C40917-3	07/24/15	08:50	MB	07/25/15	AQ	Ground Water	PW10G545
C40917-4	07/24/15	09:10	MB	07/25/15	AQ	Ground Water	PW10G460
C40917-5	07/24/15	09:35	MB	07/25/15	AQ	Ground Water	PW10G360
C40917-6	07/24/15	09:10	MB	07/25/15	AQ	Ground Water	PW10H460
C40917-7	07/24/15	12:15	MB	07/25/15	AQ	Ground Water	PW14G605
C40917-8	07/24/15	12:35	MB	07/25/15	AQ	Ground Water	PW14G525
C40917-9	07/24/15	12:55	MB	07/25/15	AQ	Ground Water	PW14G425
C40917-10	07/24/15	13:15	MB	07/25/15	AQ	Ground Water	PW14G365
C40917-11	07/24/15	13:35	MB	07/25/15	AQ	Ground Water	PW14G300
C40917-12	07/24/15	13:50	MB	07/25/15	AQ	Equipment Blank	EB1072415
C40917-13	07/24/15	08:00	MB	07/25/15	AQ	Trip Blank Water	TB1072415

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C40917
Site:	ENSTNM: UTC RFF Superfund Site - Rialto, CA	**Report Date**	8/10/2015 11:43:54 P

12 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 07/24/2015 and were received at Accutest on 07/25/2015 properly preserved, at 2 Deg. C and intact. These Samples received an Accutest job number of C40917. 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:** VW2036

- Sample(s) C40935-8MS, C40935-8MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** VW2037

- Sample(s) C40886-2MS, C40886-2MSD were used as the QC samples indicated.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP8156

- Sample(s) C40902-13MS, C40902-13MSD were used as the QC samples for Perchlorate.

Matrix: AQ **Batch ID:** GP8167

- Sample(s) C40939-3MS, C40939-3MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM2510 B-97

Matrix: AQ **Batch ID:** GN16936

- Sample(s) C40902-3DUP were used as the QC samples for Specific Conductivity.

Matrix: AQ **Batch ID:** GN16990

- Sample(s) C40939-3DUP 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: C40917
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 07/24/15

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C40917-1	**PW10G745**					
Isopropyl Alcohol		8.3 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		333	1.0	1.0	umhos/cm	SM2510 B-97
C40917-2	**PW10G605**					
Specific Conductivity		256	1.0	1.0	umhos/cm	SM2510 B-97
C40917-3	**PW10G545**					
Isopropyl Alcohol		6.0 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		283	1.0	1.0	umhos/cm	SM2510 B-97
C40917-4	**PW10G460**					
Trichloroethylene		18.9	1.0	0.20	ug/l	SW846 8260B
Perchlorate		386	20	13	ug/l	EPA 314
Specific Conductivity		402	1.0	1.0	umhos/cm	SM2510 B-97
C40917-5	**PW10G360**					
Isopropyl Alcohol		6.6 J	100	5.0	ug/l	SW846 8260B
Perchlorate		17.0	1.0	0.65	ug/l	EPA 314
Specific Conductivity		506	1.0	1.0	umhos/cm	SM2510 B-97
C40917-6	**PW10H460**					
Trichloroethylene		18.4	1.0	0.20	ug/l	SW846 8260B
Perchlorate		377	10	6.5	ug/l	EPA 314
Specific Conductivity		407	1.0	1.0	umhos/cm	SM2510 B-97
C40917-7	**PW14G605**					
Isopropyl Alcohol		6.1 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		236	1.0	1.0	umhos/cm	SM2510 B-97
C40917-8	**PW14G525**					
Isopropyl Alcohol		5.2 J	100	5.0	ug/l	SW846 8260B
Perchlorate		1.2	1.0	0.65	ug/l	EPA 314
Specific Conductivity		269	1.0	1.0	umhos/cm	SM2510 B-97

Summary of Hits

Job Number: C40917
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 07/24/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C40917-9	**PW14G425**					
Isopropyl Alcohol		6.4 J	100	5.0	ug/l	SW846 8260B
Trichloroethylene		0.69 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		47.5	1.0	0.65	ug/l	EPA 314
Specific Conductivity		399	1.0	1.0	umhos/cm	SM2510 B-97
C40917-10	**PW14G365**					
Perchlorate		16.5	1.0	0.65	ug/l	EPA 314
Specific Conductivity		498	1.0	1.0	umhos/cm	SM2510 B-97
C40917-11	**PW14G300**					
Perchlorate		8.1	1.0	0.65	ug/l	EPA 314
Specific Conductivity		463	1.0	1.0	umhos/cm	SM2510 B-97
C40917-12	**EB1072415**					
Specific Conductivity		1.2	1.0	1.0	umhos/cm	SM2510 B-97
C40917-13	**TB1072415**					

No hits reported in this sample.

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	PW10G745		
Lab Sample ID:	C40917-1	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
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	W55240.D	1	07/27/15	CV	n/a	n/a	VW2036
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	8.3	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		
Lab Sample ID:	C40917-1	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
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	98%		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:	C40917-1	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
		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	0.65 U	1.0	0.65	ug/l	1	08/04/15 21:57	PH	EPA 314
Specific Conductivity	333	1.0	1.0	umhos/cm	1	07/28/15 12:00	HD	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:	PW10G605		
Lab Sample ID:	C40917-2	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
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	W55241.D	1	07/27/15	CV	n/a	n/a	VW2036
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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		
Lab Sample ID:	C40917-2	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
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	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:	PW10G605		
Lab Sample ID:	C40917-2	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
		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	0.65 U	1.0	0.65	ug/l	1	08/04/15 22:15	PH	EPA 314
Specific Conductivity	256	1.0	1.0	umhos/cm	1	07/28/15 12:00	HD	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:	PW10G545		
Lab Sample ID:	C40917-3	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
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	W55242.D	1	07/27/15	CV	n/a	n/a	VW2036
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	PW10G545		
Lab Sample ID:	C40917-3	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
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	103%		70-130%
460-00-4	4-Bromofluorobenzene	98%		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:	C40917-3	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
		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	0.65 U	1.0	0.65	ug/l	1	08/04/15 22:33	PH	EPA 314
Specific Conductivity	283	1.0	1.0	umhos/cm	1	07/28/15 12:00	HD	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:	PW10G460		
Lab Sample ID:	C40917-4	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
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	W55243.D	1	07/27/15	CV	n/a	n/a	VW2036
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	PW10G460		
Lab Sample ID:	C40917-4	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
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	18.9	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	108%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	98%		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:	C40917-4	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
		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	386	20	13	ug/l	20	08/04/15 22:51	PH	EPA 314
Specific Conductivity	402	1.0	1.0	umhos/cm	1	07/28/15 12:00	HD	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:	PW10G360		
Lab Sample ID:	C40917-5	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
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	W55244.D	1	07/27/15	CV	n/a	n/a	VW2036
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	6.6	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:	PW10G360		
Lab Sample ID:	C40917-5	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
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	104%		70-130%
460-00-4	4-Bromofluorobenzene	96%		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:	C40917-5	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
		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	17.0	1.0	0.65	ug/l	1	08/04/15 23:09	PH	EPA 314
Specific Conductivity	506	1.0	1.0	umhos/cm	1	07/28/15 12:00	HD	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:	PW10H460		
Lab Sample ID:	C40917-6	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
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	W55245.D	1	07/27/15	CV	n/a	n/a	VW2036
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	PW10H460		
Lab Sample ID:	C40917-6	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
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	18.4	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	107%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

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

Report of Analysis

Client Sample ID:	PW10H460		
Lab Sample ID:	C40917-6	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
		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	377	10	6.5	ug/l	10	08/05/15 14:07	PH	EPA 314
Specific Conductivity	407	1.0	1.0	umhos/cm	1	07/28/15 12:00	HD	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:	C40917-7	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
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	W55246.D	1	07/27/15	CV	n/a	n/a	VW2036
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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	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:	C40917-7	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
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	103%		70-130%
460-00-4	4-Bromofluorobenzene	97%		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:	C40917-7	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
		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	0.65 U	1.0	0.65	ug/l	1	08/04/15 23:44	PH	EPA 314
Specific Conductivity	236	1.0	1.0	umhos/cm	1	07/28/15 12:00	HD	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:	C40917-8	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
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	W55247.D	1	07/27/15	CV	n/a	n/a	VW2036
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	5.2	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:	PW14G525		
Lab Sample ID:	C40917-8	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
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	103%		70-130%
460-00-4	4-Bromofluorobenzene	96%		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:	C40917-8	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
		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	1.2	1.0	0.65	ug/l	1	08/05/15 14:25	PH	EPA 314
Specific Conductivity	269	1.0	1.0	umhos/cm	1	07/28/15 12:00	HD	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:	C40917-9	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
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	W55248.D	1	07/27/15	CV	n/a	n/a	VW2036
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	PW14G425		
Lab Sample ID:	C40917-9	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
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	0.69	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	108%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	96%		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:	C40917-9	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
		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	47.5	1.0	0.65	ug/l	1	08/05/15 14:43	PH	EPA 314
Specific Conductivity	399	1.0	1.0	umhos/cm	1	07/28/15 12:00	HD	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:	C40917-10	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
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	W55262.D	1	07/28/15	JC	n/a	n/a	VW2037
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	C40917-10	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
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	97%		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:	C40917-10	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
		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	16.5	1.0	0.65	ug/l	1	08/05/15 15:01	PH	EPA 314
Specific Conductivity	498	1.0	1.0	umhos/cm	1	08/01/15 14:00	PH	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:	C40917-11	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
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	W55263.D	1	07/28/15	JC	n/a	n/a	VW2037
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	C40917-11	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
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	101%		70-130%
460-00-4	4-Bromofluorobenzene	96%		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:	C40917-11	**Date Sampled:**	07/24/15
Matrix:	AQ - Ground Water	**Date Received:**	07/25/15
		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	8.1	1.0	0.65	ug/l	1	08/06/15 14:34	PH	EPA 314
Specific Conductivity	463	1.0	1.0	umhos/cm	1	08/01/15 14:00	PH	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:	EB1072415		
Lab Sample ID:	C40917-12	**Date Sampled:**	07/24/15
Matrix:	AQ - Equipment Blank	**Date Received:**	07/25/15
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	W55264.D	1	07/28/15	JC	n/a	n/a	VW2037
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	EB1072415		
Lab Sample ID:	C40917-12	**Date Sampled:**	07/24/15
Matrix:	AQ - Equipment Blank	**Date Received:**	07/25/15
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:	EB1072415		
Lab Sample ID:	C40917-12	**Date Sampled:**	07/24/15
Matrix:	AQ - Equipment Blank	**Date Received:**	07/25/15
		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	0.65 U	1.0	0.65	ug/l	1	08/06/15 14:52	PH	EPA 314
Specific Conductivity	1.2	1.0	1.0	umhos/cm	1	08/01/15 14:00	PH	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:	TB1072415		
Lab Sample ID:	C40917-13	**Date Sampled:**	07/24/15
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/25/15
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	W55261.D	1	07/28/15	JC	n/a	n/a	VW2037
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	TB1072415		
Lab Sample ID:	C40917-13	**Date Sampled:**	07/24/15
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/25/15
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	103%		70-130%
460-00-4	4-Bromofluorobenzene	98%		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

Pg 1/2

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

FED-EX Tracking # 8063 7760 2031
Bottle Order Control #
Accutest Quote #
Accutest NC Job #: C40917

Client / Reporting Information

Company Name: Ensafe
Address: 2151 Salvio #301
City: Concord State: Ca Zip: 94520
Project Contact: J. Teres
Phone #: 925 305 2109
Samplers's Name: M. Bavisi

Project Information

Project Name: UK RPF Superfund
Street:
City: Rialto State: Ca
Project #: 08888 17231
EMAIL: jteres@ensafe.com
Client Purchase Order #: 19211

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	PW10G-745	7/24	0805	MB	GW	4	3				1				X	X	
2	PW10G-605	7/24	0830	MB	GW	4	3				1				X	X	
3	PW10G-545	7/24	0850	MB	GW	4	3				1				X	X	
4	PW10G 460	7/24	0910	MB	GW	4	3				1				X	X	
5	PW10G-360	7/24	0935	MB	GW	4	3				1				X	X	
6	PW10H 460	7/24	0910	MB	GW	4	3				1				X	X	
7	PW14G-605	7/24	1215	MB	GW	4	3				1				X	X	
8	PW14G-525	7/24	1235	MB	GW	4	3				1				X	X	
9	PW14G-425	7/24	1265	MB	GW	4	3				1				X	X	
10	PW14G-365	7/24	1315	MB	GW	4	3				1				X	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:
- [X] PDF Ensafe 3-file Equis

Comments / Remarks

WQ: Water Quality
Normal RLs w/ J flags
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	7-24 1340	1	2	7-24 1800	2
Relinquished by: 3	7/25/15 1010	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; Labels match Coc? Y / N	Headspace Y / N; Separate Receiving Check List used: Y / N; On Ice Y / N; Cooler Temp. 2.1-0.1=2.0 °C

IRVINE

C40917: Chain of Custody
Page 1 of 3

CHAIN OF CUSTODY

p 2/2

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 C40917

Client / Reporting Information

Company Name: EnSafe
Address: 2151 Salvio St. #301
City: Concord State: CA Zip:
Project Contact: Josh Teres
Phone #: 925 305 2109
Samplers's Name: M. Barishi

Project Information

Project Name: UTC RFF Superfund
Street:
City: Rialto State: CA
Project #: 08888 17231
EMAIL: jteres@ensafe.com
Client Purchase Order #: 19211

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	VOC 8260B	Perchlorate E314	LAB USE ONLY
11	PW146300	7/24	1335	MB	GW	4	3				1				X	X	
12	EB1072415	7/24	1350	MB	WQ	4	3				1				X	X	
13	TB1072415	7/24	0800	MB	WQ	2	2								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: [X] EnSafe 3-File Equis

Comments / Remarks

WQ: Water Quality
Normal RLs w/ J Flags
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	7-24 1340	1 7-24 1340	2	7-24 1800	2
3	7/25/15 10:13	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 IRVINE

5.1 5

C40917: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C40917 **Client:** ENSAFE **Project:** UTC RFF SUPERFUND

Date / Time Received: 7/25/2015 10:10:00 AM **Delivery Method:** FedEx **Airbill #'s:** 808377502031

Cooler Temps (Initial/Adjusted): #1: (2.1/2);

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:	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

C40917: 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: C40917
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
VW2036-MB	W55233.D	1	07/27/15	CV	n/a	n/a	VW2036

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

C40917-1, C40917-2, C40917-3, C40917-4, C40917-5, C40917-6, C40917-7, C40917-8, C40917-9

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	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: C40917
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
VW2036-MB	W55233.D	1	07/27/15	CV	n/a	n/a	VW2036

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

C40917-1, C40917-2, C40917-3, C40917-4, C40917-5, C40917-6, C40917-7, C40917-8, C40917-9

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	70-130%
2037-26-5	Toluene-D8	102%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

Method Blank Summary

Job Number: C40917
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
VW2037-MB	W55260.D	1	07/28/15	JC	n/a	n/a	VW2037

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

C40917-10, C40917-11, C40917-12, C40917-13

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: C40917
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
VW2037-MB	W55260.D	1	07/28/15	JC	n/a	n/a	VW2037

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

C40917-10, C40917-11, C40917-12, C40917-13

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	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: C40917
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
VW2036-BS	W55230.D	1	07/27/15	CV	n/a	n/a	VW2036
VW2036-BSD	W55231.D	1	07/27/15	CV	n/a	n/a	VW2036

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

C40917-1, C40917-2, C40917-3, C40917-4, C40917-5, C40917-6, C40917-7, C40917-8, C40917-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.2	101	19.6	98	3	77-122/25
108-90-7	Chlorobenzene	20	20.2	101	20.1	101	0	77-122/16
75-00-3	Chloroethane	20	18.9	95	17.7	89	7	69-133/18
67-66-3	Chloroform	20	20.1	101	19.6	98	3	74-126/17
56-23-5	Carbon tetrachloride	20	20.6	103	19.6	98	5	71-133/19
75-34-3	1,1-Dichloroethane	20	19.8	99	19.3	97	3	71-125/17
75-35-4	1,1-Dichloroethylene	20	19.9	100	18.9	95	5	66-125/20
106-93-4	1,2-Dibromoethane	20	20.5	103	20.7	104	1	75-135/17
107-06-2	1,2-Dichloroethane	20	20.0	100	19.7	99	2	71-131/17
78-87-5	1,2-Dichloropropane	20	20.4	102	20.2	101	1	78-124/16
75-71-8	Dichlorodifluoromethane	20	28.3	142	24.8	124	13	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	21.5	108	21.0	105	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	21.8	109	21.5	108	1	72-130/16
541-73-1	m-Dichlorobenzene	20	20.4	102	20.1	101	1	75-124/16
95-50-1	o-Dichlorobenzene	20	20.4	102	20.3	102	0	76-124/16
106-46-7	p-Dichlorobenzene	20	20.4	102	20.3	102	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	20.7	104	20.5	103	1	71-126/16
100-41-4	Ethylbenzene	20	20.9	105	20.5	103	2	76-126/17
76-13-1	Freon 113	20	20.3	102	18.7	94	8	60-145/25
87-68-3	Hexachlorobutadiene	20	21.3	107	21.2	106	0	69-135/20
67-63-0	Isopropyl Alcohol	400	428	107	414	104	3	70-130/20
74-83-9	Methyl bromide	20	20.7	104	19.8	99	4	68-132/18
74-87-3	Methyl chloride	20	21.1	106	20.8	104	1	39-150/28
75-09-2	Methylene chloride	20	19.1	96	18.5	93	3	67-128/18
100-42-5	Styrene	20	21.5	108	21.2	106	1	72-134/16
71-55-6	1,1,1-Trichloroethane	20	20.2	101	19.3	97	5	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	20.4	102	20.5	103	0	77-129/17
79-00-5	1,1,2-Trichloroethane	20	20.0	100	20.1	101	0	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	20.3	102	20.6	103	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	21.0	105	20.5	103	2	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	22.0	110	21.4	107	3	77-129/17
127-18-4	Tetrachloroethylene	20	19.9	100	21.1	106	6	69-127/20
108-88-3	Toluene	20	20.5	103	20.3	102	1	75-122/17
79-01-6	Trichloroethylene	20	19.9	100	19.4	97	3	78-123/17
75-69-4	Trichlorofluoromethane	20	21.9	110	19.7	99	11	65-136/23
75-01-4	Vinyl chloride	20	22.3	112	20.0	100	11	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40917
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
VW2036-BS	W55230.D	1	07/27/15	CV	n/a	n/a	VW2036
VW2036-BSD	W55231.D	1	07/27/15	CV	n/a	n/a	VW2036

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

C40917-1, C40917-2, C40917-3, C40917-4, C40917-5, C40917-6, C40917-7, C40917-8, C40917-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	41.7	104	41.0	103	2	76-125/17
95-47-6	o-Xylene	20	20.6	103	20.4	102	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	102%	101%	70-130%
2037-26-5	Toluene-D8	101%	102%	70-130%
460-00-4	4-Bromofluorobenzene	100%	101%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40917
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
VW2037-BS	W55257.D	1	07/28/15	JC	n/a	n/a	VW2037
VW2037-BSD	W55258.D	1	07/28/15	JC	n/a	n/a	VW2037

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

C40917-10, C40917-11, C40917-12, C40917-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.0	100	19.9	100	1	77-122/25
108-90-7	Chlorobenzene	20	19.9	100	20.0	100	1	77-122/16
75-00-3	Chloroethane	20	17.2	86	18.4	92	7	69-133/18
67-66-3	Chloroform	20	19.8	99	20.0	100	1	74-126/17
56-23-5	Carbon tetrachloride	20	19.5	98	19.5	98	0	71-133/19
75-34-3	1,1-Dichloroethane	20	19.4	97	19.8	99	2	71-125/17
75-35-4	1,1-Dichloroethylene	20	18.8	94	18.5	93	2	66-125/20
106-93-4	1,2-Dibromoethane	20	20.4	102	20.4	102	0	75-135/17
107-06-2	1,2-Dichloroethane	20	20.1	101	20.0	100	0	71-131/17
78-87-5	1,2-Dichloropropane	20	20.2	101	20.3	102	0	78-124/16
75-71-8	Dichlorodifluoromethane	20	23.1	116	22.9	115	1	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	21.3	107	21.3	107	0	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	21.9	110	21.5	108	2	72-130/16
541-73-1	m-Dichlorobenzene	20	20.3	102	20.3	102	0	75-124/16
95-50-1	o-Dichlorobenzene	20	20.7	104	20.1	101	3	76-124/16
106-46-7	p-Dichlorobenzene	20	20.3	102	20.3	102	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	20.8	104	20.5	103	1	71-126/16
100-41-4	Ethylbenzene	20	20.5	103	20.6	103	0	76-126/17
76-13-1	Freon 113	20	14.7	74	17.4	87	17	60-145/25
87-68-3	Hexachlorobutadiene	20	20.7	104	21.1	106	2	69-135/20
67-63-0	Isopropyl Alcohol	400	451	113	445	111	1	70-130/20
74-83-9	Methyl bromide	20	19.4	97	19.8	99	2	68-132/18
74-87-3	Methyl chloride	20	18.3	92	19.0	95	4	39-150/28
75-09-2	Methylene chloride	20	19.1	96	19.6	98	3	67-128/18
100-42-5	Styrene	20	21.1	106	21.2	106	0	72-134/16
71-55-6	1,1,1-Trichloroethane	20	19.1	96	19.4	97	2	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	21.3	107	21.0	105	1	77-129/17
79-00-5	1,1,2-Trichloroethane	20	20.3	102	20.2	101	0	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	20.7	104	20.7	104	0	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	21.0	105	20.8	104	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	21.7	109	21.6	108	0	77-129/17
127-18-4	Tetrachloroethylene	20	19.2	96	19.3	97	1	69-127/20
108-88-3	Toluene	20	20.4	102	20.5	103	0	75-122/17
79-01-6	Trichloroethylene	20	19.5	98	19.5	98	0	78-123/17
75-69-4	Trichlorofluoromethane	20	20.2	101	20.4	102	1	65-136/23
75-01-4	Vinyl chloride	20	18.9	95	20.6	103	9	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40917
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
VW2037-BS	W55257.D	1	07/28/15	JC	n/a	n/a	VW2037
VW2037-BSD	W55258.D	1	07/28/15	JC	n/a	n/a	VW2037

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

C40917-10, C40917-11, C40917-12, C40917-13

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	41.2	103	1	76-125/17
95-47-6	o-Xylene	20	20.3	102	20.5	103	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	102%	103%	70-130%
2037-26-5	Toluene-D8	103%	103%	70-130%
460-00-4	4-Bromofluorobenzene	100%	102%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40917
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
C40935-8MS	W55252.D	5	07/27/15	CV	n/a	n/a	VW2036
C40935-8MSD	W55253.D	5	07/27/15	CV	n/a	n/a	VW2036
C40935-8 [a]	W55251.D	5	07/27/15	CV	n/a	n/a	VW2036

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

C40917-1, C40917-2, C40917-3, C40917-4, C40917-5, C40917-6, C40917-7, C40917-8, C40917-9

CAS No.	Compound	C40935-8 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		100	103	103	100	101	101	2	77-122/16
108-90-7	Chlorobenzene	ND		100	99.8	100	100	100	100	0	77-122/16
75-00-3	Chloroethane	ND		100	94.2	94	100	95.3	95	1	69-133/18
67-66-3	Chloroform	ND		100	106	106	100	102	102	4	74-126/17
56-23-5	Carbon tetrachloride	ND		100	107	107	100	103	103	4	71-133/19
75-34-3	1,1-Dichloroethane	ND		100	106	106	100	102	102	4	71-125/17
75-35-4	1,1-Dichloroethylene	ND		100	99.6	100	100	100	100	0	66-125/20
106-93-4	1,2-Dibromoethane	ND		100	104	104	100	104	104	0	75-135/17
107-06-2	1,2-Dichloroethane	ND		100	108	108	100	105	105	3	71-131/17
78-87-5	1,2-Dichloropropane	ND		100	106	106	100	104	104	2	78-124/16
75-71-8	Dichlorodifluoromethane	ND		100	149	149	100	141	141	6	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		100	112	112	100	109	109	3	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		100	112	112	100	110	110	2	72-130/16
541-73-1	m-Dichlorobenzene	ND		100	99.1	99	100	101	101	2	75-124/16
95-50-1	o-Dichlorobenzene	ND		100	102	102	100	103	103	1	76-124/16
106-46-7	p-Dichlorobenzene	ND		100	100	100	100	101	101	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		100	103	103	100	104	104	1	71-126/16
100-41-4	Ethylbenzene	ND		100	103	103	100	103	103	0	76-126/17
76-13-1	Freon 113	ND		100	104	104	100	98.0	98	6	60-145/25
87-68-3	Hexachlorobutadiene	ND		100	93.6	94	100	98.0	98	5	69-135/20
67-63-0	Isopropyl Alcohol	56.0	J	2000	2270	111	2000	2310	113	2	70-130/20
74-83-9	Methyl bromide	ND		100	100	100	100	104	104	4	68-132/18
74-87-3	Methyl chloride	ND		100	104	104	100	101	101	3	39-150/28
75-09-2	Methylene chloride	ND		100	101	101	100	99.3	99	2	67-128/18
100-42-5	Styrene	ND		100	106	106	100	107	107	1	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		100	106	106	100	102	102	4	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	110	110	100	109	109	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		100	104	104	100	103	103	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		100	99.9	100	100	101	101	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	1.4	J	100	103	102	100	104	103	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		100	105	105	100	108	108	3	77-129/17
127-18-4	Tetrachloroethylene	ND		100	98.8	99	100	118	118	18	69-127/20
108-88-3	Toluene	2.4	J	100	104	102	100	103	101	1	75-122/17
79-01-6	Trichloroethylene	ND		100	101	101	100	100	100	1	78-123/17
75-69-4	Trichlorofluoromethane	ND		100	115	115	100	112	112	3	65-136/23
75-01-4	Vinyl chloride	ND		100	115	115	100	121	121	5	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40917
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
C40935-8MS	W55252.D	5	07/27/15	CV	n/a	n/a	VW2036
C40935-8MSD	W55253.D	5	07/27/15	CV	n/a	n/a	VW2036
C40935-8 [a]	W55251.D	5	07/27/15	CV	n/a	n/a	VW2036

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

C40917-1, C40917-2, C40917-3, C40917-4, C40917-5, C40917-6, C40917-7, C40917-8, C40917-9

CAS No.	Compound	C40935-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	1.7	J	200	206	102	200	205	102	0	76-125/17
95-47-6	o-Xylene	ND		100	102	102	100	103	103	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C40935-8	Limits
1868-53-7	Dibromofluoromethane	109%	106%	105%	70-130%
2037-26-5	Toluene-D8	101%	102%	103%	70-130%
460-00-4	4-Bromofluorobenzene	102%	101%	99%	70-130%

(a) Dilution required due to sample foaming.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40917
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
C40886-2MS	W55279.D	1	07/28/15	JC	n/a	n/a	VW2037
C40886-2MSD	W55280.D	1	07/28/15	JC	n/a	n/a	VW2037
C40886-2	W55272.D	1	07/28/15	JC	n/a	n/a	VW2037

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

C40917-10, C40917-11, C40917-12, C40917-13

CAS No.	Compound	C40886-2 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	21.1	106	20	21.1	106	0	77-122/16
108-90-7	Chlorobenzene	ND		20	21.1	106	20	21.1	106	0	77-122/16
75-00-3	Chloroethane	ND		20	20.4	102	20	19.8	99	3	69-133/18
67-66-3	Chloroform	ND		20	21.8	109	20	21.2	106	3	74-126/17
56-23-5	Carbon tetrachloride	ND		20	23.0	115	20	22.7	114	1	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	21.9	110	20	21.0	105	4	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	22.8	114	20	21.2	106	7	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	20.6	103	20	19.8	99	4	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	20.9	105	20	20.7	104	1	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	20.8	104	20	21.3	107	2	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	28.6	143	20	26.8	134	6	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	22.6	113	20	22.2	111	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	21.3	107	20	21.5	108	1	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	20.8	104	20	20.9	105	0	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	20.1	101	20	20.7	104	3	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	20.7	104	20	20.8	104	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	20.4	102	20	19.6	98	4	71-126/16
100-41-4	Ethylbenzene	ND		20	22.6	113	20	22.0	110	3	76-126/17
76-13-1	Freon 113	ND		20	22.6	113	20	21.8	109	4	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	20.7	104	20	23.4	117	12	69-135/20
67-63-0	Isopropyl Alcohol	ND		400	394	99	400	393	98	0	70-130/20
74-83-9	Methyl bromide	ND		20	21.2	106	20	21.1	106	0	68-132/18
74-87-3	Methyl chloride	ND		20	18.5	93	20	18.1	91	2	39-150/28
75-09-2	Methylene chloride	ND		20	20.1	101	20	19.5	98	3	67-128/18
100-42-5	Styrene	ND		20	22.1	111	20	21.5	108	3	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	22.7	114	20	21.9	110	4	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	19.8	99	20	20.6	103	4	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	21.1	106	20	19.6	98	7	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	19.1	96	20	20.3	102	6	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	21.5	108	20	21.7	109	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	22.0	110	20	22.7	114	3	77-129/17
127-18-4	Tetrachloroethylene	1.0		20	23.3	112	20	22.0	105	6	69-127/20
108-88-3	Toluene	ND		20	21.8	109	20	21.0	105	4	75-122/17
79-01-6	Trichloroethylene	ND		20	22.5	113	20	22.1	111	2	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	24.9	125	20	24.2	121	3	65-136/23
75-01-4	Vinyl chloride	ND		20	26.3	132	20	25.6	128	3	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40917
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
C40886-2MS	W55279.D	1	07/28/15	JC	n/a	n/a	VW2037
C40886-2MSD	W55280.D	1	07/28/15	JC	n/a	n/a	VW2037
C40886-2	W55272.D	1	07/28/15	JC	n/a	n/a	VW2037

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

C40917-10, C40917-11, C40917-12, C40917-13

CAS No.	Compound	C40886-2 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	44.5	111	40	43.6	109	2	76-125/17
95-47-6	o-Xylene	ND		20	21.8	109	20	21.4	107	2	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C40886-2	Limits
1868-53-7	Dibromofluoromethane	104%	104%	106%	70-130%
2037-26-5	Toluene-D8	102%	100%	105%	70-130%
460-00-4	4-Bromofluorobenzene	102%	98%	97%	70-130%

* = Outside of Control Limits.

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General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40917
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	GP8156/GN17004	3.0	0.0	ug/l	25	24.0	96.0	85-115%
Perchlorate	GP8163/GN17016	3.0	0.0	ug/l	25	24.4	97.6	85-115%
Perchlorate	GP8167/GN17022	3.0	0.0	ug/l	25	25.5	102.0	85-115%
Specific Conductivity	GN16936	1.0	0.0	umhos/cm				
Specific Conductivity	GN16990	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP8156: C40917-1, C40917-2, C40917-3, C40917-4, C40917-5, C40917-7
Batch GP8163: C40917-6, C40917-8, C40917-9, C40917-10
Batch GP8167: C40917-11, C40917-12
Batch GN16936: C40917-1, C40917-2, C40917-3, C40917-4, C40917-5, C40917-6, C40917-7, C40917-8, C40917-9
Batch GN16990: C40917-10, C40917-11, C40917-12
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40917
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	GP8156/GN17004	ug/l	25	25.2	4.9	
Perchlorate	GP8163/GN17016	ug/l	25	24.4	0.0	
Perchlorate	GP8167/GN17022	ug/l	25	25.2	1.2	

Associated Samples:
Batch GP8156: C40917-1, C40917-2, C40917-3, C40917-4, C40917-5, C40917-7
Batch GP8163: C40917-6, C40917-8, C40917-9, C40917-10
Batch GP8167: C40917-11, C40917-12
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40917
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	GN16936	C40902-3	umhos/cm	2220	2230	0.4	0-10%
Specific Conductivity	GN16990	C40939-3	umhos/cm	211	209	1.0	0-10%

Associated Samples:
Batch GN16936: C40917-1, C40917-2, C40917-3, C40917-4, C40917-5, C40917-6, C40917-7, C40917-8, C40917-9
Batch GN16990: C40917-10, C40917-11, C40917-12
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40917
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	GP8156/GN17004	C40902-13	ug/l	14.3	25	39.3	100.0	80-120%
Perchlorate	GP8167/GN17037	C40939-3	ug/l	4.1	25	29.9	103.2	80-120%

Associated Samples:
Batch GP8156: C40917-1, C40917-2, C40917-3, C40917-4, C40917-5, C40917-7
Batch GP8167: C40917-11, C40917-12
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40917
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	GP8156/GN17004	C40902-13	ug/l	14.3	25	38.9	1.0	15%
Perchlorate	GP8167/GN17037	C40939-3	ug/l	4.1	25	30.5	1.3	15%

Associated Samples:
Batch GP8156: C40917-1, C40917-2, C40917-3, C40917-4, C40917-5, C40917-7
Batch GP8167: C40917-11, C40917-12
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
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LABORATORIES

08/11/15

Technical Report for

United Technology Corporation

ENSTNM: UTC RFF Superfund Site - Rialto, CA

0888817231

Accutest Job Number: C40939

Sampling Date: 07/27/15

Report to:

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ATTN: Josh Teves

Total number of pages in report: **62**

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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Accutest Laboratories

Sample Summary

United Technology Corporation

Job No: C40939

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 0888817231

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C40939-1	07/27/15	08:50	MB	07/28/15	AQ	Ground Water	MP6G765
C40939-2	07/27/15	09:15	MB	07/28/15	AQ	Ground Water	MP6G659
C40939-3	07/27/15	09:40	MB	07/28/15	AQ	Ground Water	MP6G573
C40939-4	07/27/15	09:40	MB	07/28/15	AQ	Ground Water	MP6H573
C40939-5	07/27/15	10:05	MB	07/28/15	AQ	Ground Water	MP6G449
C40939-6	07/27/15	10:30	MB	07/28/15	AQ	Ground Water	MP6G355
C40939-7	07/27/15	12:00	MB	07/28/15	AQ	Ground Water	MP3G899
C40939-8	07/27/15	12:25	MB	07/28/15	AQ	Ground Water	MP3G814
C40939-9	07/27/15	12:50	MB	07/28/15	AQ	Ground Water	MP3G687
C40939-10	07/27/15	13:15	MB	07/28/15	AQ	Ground Water	MP3G592
C40939-11	07/27/15	13:35	MB	07/28/15	AQ	Ground Water	MP3G457
C40939-12	07/27/15	14:00	MB	07/28/15	AQ	Equipment Blank	EB1072715
C40939-13	07/27/15	08:00	MB	07/28/15	AQ	Trip Blank Water	TB1072715

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C40939
Site:	ENSTNM: UTC RFF Superfund Site - Rialto, CA	**Report Date**	8/11/2015 8:15:56 PM

12 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 07/27/2015 and were received at Accutest on 07/28/2015 properly preserved, at 5.8 Deg. C and intact. These Samples received an Accutest job number of C40939. 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:** VW2038

- Sample(s) C40886-7MS, C40886-7MSD were used as the QC samples indicated.
- Matrix Spike Duplicate Recovery(s) for Trichloroethylene are outside control limits due to high level in sample relative to spike amount.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP8167

- Sample(s) C40939-3MS, C40939-3MSD were used as the QC samples for Perchlorate.

Matrix: AQ **Batch ID:** GP8175

- Sample(s) C40942-6MS, C40942-6MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM2510 B-97

Matrix: AQ **Batch ID:** GN16990

- Sample(s) C40939-3DUP 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: C40939
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 07/27/15

3

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C40939-1	**MP6G765**					
Isopropyl Alcohol		8.8 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		273	1.0	1.0	umhos/cm	SM2510 B-97
C40939-2	**MP6G659**					
Specific Conductivity		273	1.0	1.0	umhos/cm	SM2510 B-97
C40939-3	**MP6G573**					
Isopropyl Alcohol		15.6 J	100	5.0	ug/l	SW846 8260B
Perchlorate		4.1	1.0	0.65	ug/l	EPA 314
Specific Conductivity		211	1.0	1.0	umhos/cm	SM2510 B-97
C40939-4	**MP6H573**					
Perchlorate		3.2	1.0	0.65	ug/l	EPA 314
Specific Conductivity		209	1.0	1.0	umhos/cm	SM2510 B-97
C40939-5	**MP6G449**					
Perchlorate		2.7	1.0	0.65	ug/l	EPA 314
Specific Conductivity		517	1.0	1.0	umhos/cm	SM2510 B-97
C40939-6	**MP6G355**					
Perchlorate		30.5	1.0	0.65	ug/l	EPA 314
Specific Conductivity		615	1.0	1.0	umhos/cm	SM2510 B-97
C40939-7	**MP3G899**					
Specific Conductivity		237	1.0	1.0	umhos/cm	SM2510 B-97
C40939-8	**MP3G814**					
Isopropyl Alcohol		9.2 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		249	1.0	1.0	umhos/cm	SM2510 B-97
C40939-9	**MP3G687**					
Perchlorate		2.6	1.0	0.65	ug/l	EPA 314
Specific Conductivity		390	1.0	1.0	umhos/cm	SM2510 B-97

Summary of Hits

Job Number: C40939
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 07/27/15

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C40939-10	**MP3G592**					
Perchlorate		2.2	1.0	0.65	ug/l	EPA 314
Specific Conductivity		484	1.0	1.0	umhos/cm	SM2510 B-97
C40939-11	**MP3G457**					
Perchlorate		12.4	1.0	0.65	ug/l	EPA 314
Specific Conductivity		640	1.0	1.0	umhos/cm	SM2510 B-97
C40939-12	**EB1072715**					
Specific Conductivity		1.1	1.0	1.0	umhos/cm	SM2510 B-97
C40939-13	**TB1072715**					

No hits reported in this sample.

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MP6G765		
Lab Sample ID:	C40939-1	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
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	W55289.D	1	07/29/15	JC	n/a	n/a	VW2038
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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	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:	MP6G765		
Lab Sample ID:	C40939-1	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
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	102%		70-130%
460-00-4	4-Bromofluorobenzene	97%		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:	C40939-1	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
		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	0.65 U	1.0	0.65	ug/l	1	08/06/15 15:10	PH	EPA 314
Specific Conductivity	273	1.0	1.0	umhos/cm	1	08/01/15 14:00	PH	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:	MP6G659		
Lab Sample ID:	C40939-2	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
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	W55290.D	1	07/29/15	JC	n/a	n/a	VW2038
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	C40939-2	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
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	102%		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:	MP6G659		
Lab Sample ID:	C40939-2	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
		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	0.65 U	1.0	0.65	ug/l	1	08/06/15 15:27	PH	EPA 314
Specific Conductivity	273	1.0	1.0	umhos/cm	1	08/01/15 14:00	PH	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:	MP6G573		
Lab Sample ID:	C40939-3	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
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	W55291.D	1	07/29/15	JC	n/a	n/a	VW2038
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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	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:	MP6G573		
Lab Sample ID:	C40939-3	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
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	104%		70-130%
460-00-4	4-Bromofluorobenzene	96%		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:	C40939-3	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
		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	4.1	1.0	0.65	ug/l	1	08/06/15 15:45	PH	EPA 314
Specific Conductivity	211	1.0	1.0	umhos/cm	1	08/01/15 14:00	PH	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:	MP6H573		
Lab Sample ID:	C40939-4	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
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	W55292.D	1	07/29/15	JC	n/a	n/a	VW2038
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	C40939-4	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
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	99%		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

Report of Analysis

Client Sample ID:	MP6H573		
Lab Sample ID:	C40939-4	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
		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	0.65	ug/l	1	08/06/15 16:03	PH	EPA 314
Specific Conductivity	209	1.0	1.0	umhos/cm	1	08/01/15 14:00	PH	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:	MP6G449		
Lab Sample ID:	C40939-5	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
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	W55293.D	1	07/29/15	JC	n/a	n/a	VW2038
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	C40939-5	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
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	101%		70-130%
460-00-4	4-Bromofluorobenzene	97%		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:	C40939-5	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
		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	0.65	ug/l	1	08/06/15 16:21	PH	EPA 314
Specific Conductivity	517	1.0	1.0	umhos/cm	1	08/01/15 14:00	PH	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:	MP6G355		
Lab Sample ID:	C40939-6	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
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	W55294.D	1	07/29/15	JC	n/a	n/a	VW2038
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	C40939-6	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
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	104%		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:	MP6G355		
Lab Sample ID:	C40939-6	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
		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	30.5	1.0	0.65	ug/l	1	08/06/15 16:39	PH	EPA 314
Specific Conductivity	615	1.0	1.0	umhos/cm	1	08/01/15 14:00	PH	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:	MP3G899		
Lab Sample ID:	C40939-7	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
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	W55295.D	1	07/29/15	JC	n/a	n/a	VW2038
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	MP3G899		
Lab Sample ID:	C40939-7	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
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	99%		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:	MP3G899		
Lab Sample ID:	C40939-7	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
		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	0.65 U	1.0	0.65	ug/l	1	08/06/15 16:57	PH	EPA 314
Specific Conductivity	237	1.0	1.0	umhos/cm	1	08/01/15 14:00	PH	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:	MP3G814		
Lab Sample ID:	C40939-8	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
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	W55296.D	1	07/29/15	JC	n/a	n/a	VW2038
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	9.2	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:	MP3G814		
Lab Sample ID:	C40939-8	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
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	101%		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

Report of Analysis

Client Sample ID:	MP3G814		
Lab Sample ID:	C40939-8	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
		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	0.65 U	1.0	0.65	ug/l	1	08/06/15 17:15	PH	EPA 314
Specific Conductivity	249	1.0	1.0	umhos/cm	1	08/01/15 14:00	PH	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:	MP3G687		
Lab Sample ID:	C40939-9	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
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	W55297.D	1	07/29/15	JC	n/a	n/a	VW2038
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	MP3G687		
Lab Sample ID:	C40939-9	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
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	102%		70-130%
460-00-4	4-Bromofluorobenzene	96%		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:	C40939-9	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
		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	0.65	ug/l	1	08/07/15 13:57	PH	EPA 314
Specific Conductivity	390	1.0	1.0	umhos/cm	1	08/01/15 14:00	PH	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:	MP3G592		
Lab Sample ID:	C40939-10	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
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	W55298.D	1	07/29/15	JC	n/a	n/a	VW2038
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	C40939-10	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
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	102%		70-130%
460-00-4	4-Bromofluorobenzene	96%		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:	C40939-10	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
		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	2.2	1.0	0.65	ug/l	1	08/07/15 14:15	PH	EPA 314
Specific Conductivity	484	1.0	1.0	umhos/cm	1	08/01/15 14:00	PH	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:	MP3G457		
Lab Sample ID:	C40939-11	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
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	W55299.D	1	07/29/15	JC	n/a	n/a	VW2038
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	C40939-11	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
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	102%		70-130%
460-00-4	4-Bromofluorobenzene	96%		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:	C40939-11	**Date Sampled:**	07/27/15
Matrix:	AQ - Ground Water	**Date Received:**	07/28/15
		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	12.4	1.0	0.65	ug/l	1	08/07/15 15:27	PH	EPA 314
Specific Conductivity	640	1.0	1.0	umhos/cm	1	08/01/15 14:00	PH	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:	EB1072715		
Lab Sample ID:	C40939-12	**Date Sampled:**	07/27/15
Matrix:	AQ - Equipment Blank	**Date Received:**	07/28/15
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	W55300.D	1	07/29/15	JC	n/a	n/a	VW2038
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	EB1072715		
Lab Sample ID:	C40939-12	**Date Sampled:**	07/27/15
Matrix:	AQ - Equipment Blank	**Date Received:**	07/28/15
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	98%		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:	EB1072715		
Lab Sample ID:	C40939-12	**Date Sampled:**	07/27/15
Matrix:	AQ - Equipment Blank	**Date Received:**	07/28/15
		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	0.65 U	1.0	0.65	ug/l	1	08/07/15 14:33	PH	EPA 314
Specific Conductivity	1.1	1.0	1.0	umhos/cm	1	08/01/15 14:00	PH	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:	TB1072715		
Lab Sample ID:	C40939-13	**Date Sampled:**	07/27/15
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/28/15
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	W55288.D	1	07/29/15	JC	n/a	n/a	VW2038
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	TB1072715		
Lab Sample ID:	C40939-13	**Date Sampled:**	07/27/15
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/28/15
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	105%		70-130%
460-00-4	4-Bromofluorobenzene	98%		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

P 1/2

CHAIN OF CUSTODY

ACCUTEST® LABORATORIES

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

FED-EX Tracking # 8079 5769 1240
Bottle Order Control #
Accutest Quote #
Accutest NC Job #: C 40939

Client / Reporting Information

Company Name: Ensafe
Address: 2151 Salvio St - #301
City: Concord State: Ca Zip: 94520
Project Contact: J. Torres
Phone #: 925 305 2104
Samplers's Name: M. Barishi

Project Information

Project Name: UTC - RFF Superfund
Street:
City: Rialto State: Ca
Project #: 0888817231
EMAIL: jtorres@ensafe.com
Client Purchase Order #: 19211

Requested Analysis: VOC 8260 B; 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 8260 B	Perchlorate E314	LAB USE ONLY
1	MP66-765	7/27	0850	MB	GW	4	3				1				X	X	
2	MP66-659	7/27	0915	MB	GW	4	3				1				X	X	
3	MP66-573	7/27	0940	MB	GW	4	3				1				X	X	
4	MP6 M 573	7/27	0940	MB	WQ	4	3				1				X	X	
5	MP66-449	7/27	1005	MB	GW	4	3				1				X	X	
6	MP66-355	7/27	1030	MB	GW	4	3				1				X	X	
7	MP36-899	7/27	1200	MB	GW	4	3				1				X	X	
8	MP36-814	7/27	1225	MB	GW	4	3				1				X	X	
9	MP36-687	7/27	1250	MB	GW	4	3				1				X	X	
10	MP36-592	7/27	1315	MB	GW	4	3				1				X	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:
- [x] Ensafe 3-File Equis

Comments / Remarks

WQ - Water Quality
Normal RL's with J Flags
Rush / Preliminary Data Electronic 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	7/27 1520	1 7-27-15 1530	2	7-27-15 1700	2
Relinquished by: FedeX 3	7/28/15 1015	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 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. 5.9-0.1-5.8 °C

IRVINE

C40939: 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

P 2/2

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest NC Job #: C 40939

Client / Reporting Information

Company Name: EnSafe
Address: 2151 Salvio St #301
City / State / Zip: Concord Ca 94520
Project Contact: J. Tevis
Phone #: 925 305 2109
Samplers's Name: Maulik Bavishi

Project Information

Project Name: UTC - RFF Superfund
Street:
City / State: Rialto Ca
Project #: 0 8888 17231
EMAIL: jtevis@ensafe.com
Client Purchase Order #: 19211

Requested Analysis: VOC 8260B; Perchlorate 314

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	VOC 8260B	Perchlorate 314	LAB USE ONLY
11	MP3 6457	7/27	1335	MB	GW	4	3				1				X	X	
12	EB1072715	7/27	1400	MB	WQ	4	3				1				X	X	
13	TB1072715	7/27	0800	MB	WQ	2									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: [X] EnSafe 3-File Egis

Comments / Remarks

WQ - Water Quality
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	7/27	1	2 7-27-15 1530	7-27-15 1700	2
Relinquished by: Fedex 3	Date Time: 7/28/15 1520	Received By: Ali 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # Intact	Appropriate Bottle / Pres. Y / N	Headspace Y / N
Labels match Coc? Y / N	Separate Receiving Check List used: Y / N	On Ice Y / N	Cooler Temp. 5.9-0.1 5.8 °C		

IRVINE

C40939: Chain of Custody
Page 2 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C40939 **Client:** ENSAFE **Project:** UTC RFF SUPERFUND

Date / Time Received: 7/28/2015 10:15:00 AM **Delivery Method:** FedEx **Airbill #'s:** 807957691240

Cooler Temps (Initial/Adjusted): #1: (5.9/5.8);

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. 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

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C40939: 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: C40939
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
VW2038-MB	W55287.D	1	07/29/15	JC	n/a	n/a	VW2038

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

C40939-1, C40939-2, C40939-3, C40939-4, C40939-5, C40939-6, C40939-7, C40939-8, C40939-9, C40939-10, C40939-11, C40939-12, C40939-13

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: C40939
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
VW2038-MB	W55287.D	1	07/29/15	JC	n/a	n/a	VW2038

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

C40939-1, C40939-2, C40939-3, C40939-4, C40939-5, C40939-6, C40939-7, C40939-8, C40939-9, C40939-10, C40939-11, C40939-12, C40939-13

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	70-130%
2037-26-5	Toluene-D8	104%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40939
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
VW2038-BS	W55284.D	1	07/29/15	JC	n/a	n/a	VW2038
VW2038-BSD	W55285.D	1	07/29/15	JC	n/a	n/a	VW2038

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

C40939-1, C40939-2, C40939-3, C40939-4, C40939-5, C40939-6, C40939-7, C40939-8, C40939-9, C40939-10, C40939-11, C40939-12, C40939-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	19.7	99	19.6	98	1	77-122/25
108-90-7	Chlorobenzene	20	19.6	98	19.6	98	0	77-122/16
75-00-3	Chloroethane	20	18.0	90	16.9	85	6	69-133/18
67-66-3	Chloroform	20	20.0	100	19.4	97	3	74-126/17
56-23-5	Carbon tetrachloride	20	20.2	101	20.3	102	0	71-133/19
75-34-3	1,1-Dichloroethane	20	19.2	96	18.7	94	3	71-125/17
75-35-4	1,1-Dichloroethylene	20	19.5	98	18.6	93	5	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	19.9	100	19.8	99	1	71-131/17
78-87-5	1,2-Dichloropropane	20	20.4	102	19.9	100	2	78-124/16
75-71-8	Dichlorodifluoromethane	20	23.3	117	21.6	108	8	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	21.5	108	20.8	104	3	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	19.8	99	19.8	99	0	75-124/16
95-50-1	o-Dichlorobenzene	20	19.5	98	19.5	98	0	76-124/16
106-46-7	p-Dichlorobenzene	20	19.7	99	19.8	99	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	20.0	100	20.3	102	1	71-126/16
100-41-4	Ethylbenzene	20	20.1	101	20.3	102	1	76-126/17
76-13-1	Freon 113	20	19.7	99	19.4	97	2	60-145/25
87-68-3	Hexachlorobutadiene	20	20.6	103	20.9	105	1	69-135/20
67-63-0	Isopropyl Alcohol	400	434	109	425	106	2	70-130/20
74-83-9	Methyl bromide	20	19.6	98	18.6	93	5	68-132/18
74-87-3	Methyl chloride	20	17.0	85	15.9	80	7	39-150/28
75-09-2	Methylene chloride	20	19.0	95	18.7	94	2	67-128/18
100-42-5	Styrene	20	20.5	103	20.7	104	1	72-134/16
71-55-6	1,1,1-Trichloroethane	20	19.9	100	19.2	96	4	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	20.1	101	20.4	102	1	77-129/17
79-00-5	1,1,2-Trichloroethane	20	19.7	99	20.1	101	2	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	20.0	100	20.6	103	3	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	19.9	100	20.1	101	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	20.9	105	20.9	105	0	77-129/17
127-18-4	Tetrachloroethylene	20	19.5	98	19.6	98	1	69-127/20
108-88-3	Toluene	20	20.0	100	20.4	102	2	75-122/17
79-01-6	Trichloroethylene	20	19.6	98	19.3	97	2	78-123/17
75-69-4	Trichlorofluoromethane	20	20.9	105	20.6	103	1	65-136/23
75-01-4	Vinyl chloride	20	18.9	95	17.5	88	8	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40939
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
VW2038-BS	W55284.D	1	07/29/15	JC	n/a	n/a	VW2038
VW2038-BSD	W55285.D	1	07/29/15	JC	n/a	n/a	VW2038

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

C40939-1, C40939-2, C40939-3, C40939-4, C40939-5, C40939-6, C40939-7, C40939-8, C40939-9, C40939-10, C40939-11, C40939-12, C40939-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	40.0	100	40.2	101	0	76-125/17
95-47-6	o-Xylene	20	19.8	99	20.0	100	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	104%	102%	70-130%
2037-26-5	Toluene-D8	102%	104%	70-130%
460-00-4	4-Bromofluorobenzene	100%	100%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40939
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
C40886-7MS	W55306.D	25	07/29/15	JC	n/a	n/a	VW2038
C40886-7MSD	W55307.D	25	07/29/15	JC	n/a	n/a	VW2038
C40886-7	W55304.D	25	07/29/15	JC	n/a	n/a	VW2038

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

C40939-1, C40939-2, C40939-3, C40939-4, C40939-5, C40939-6, C40939-7, C40939-8, C40939-9, C40939-10, C40939-11, C40939-12, C40939-13

CAS No.	Compound	C40886-7 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	ND		500	473	95	500	474	95	0	77-122/16
108-90-7	Chlorobenzene	ND		500	471	94	500	476	95	1	77-122/16
75-00-3	Chloroethane	ND		500	439	88	500	443	89	1	69-133/18
67-66-3	Chloroform	ND		500	455	91	500	461	92	1	74-126/17
56-23-5	Carbon tetrachloride	ND		500	474	95	500	479	96	1	71-133/19
75-34-3	1,1-Dichloroethane	ND		500	447	89	500	455	91	2	71-125/17
75-35-4	1,1-Dichloroethylene	ND		500	471	94	500	472	94	0	66-125/20
106-93-4	1,2-Dibromoethane	ND		500	478	96	500	477	95	0	75-135/17
107-06-2	1,2-Dichloroethane	ND		500	461	92	500	452	90	2	71-131/17
78-87-5	1,2-Dichloropropane	ND		500	474	95	500	472	94	0	78-124/16
75-71-8	Dichlorodifluoromethane	ND		500	577	115	500	556	111	4	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		500	488	98	500	507	101	4	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		500	499	100	500	496	99	1	72-130/16
541-73-1	m-Dichlorobenzene	ND		500	462	92	500	473	95	2	75-124/16
95-50-1	o-Dichlorobenzene	ND		500	461	92	500	471	94	2	76-124/16
106-46-7	p-Dichlorobenzene	ND		500	463	93	500	475	95	3	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		500	456	91	500	456	91	0	71-126/16
100-41-4	Ethylbenzene	ND		500	475	95	500	481	96	1	76-126/17
76-13-1	Freon 113	ND		500	499	100	500	491	98	2	60-145/25
87-68-3	Hexachlorobutadiene	ND		500	440	88	500	480	96	9	69-135/20
67-63-0	Isopropyl Alcohol	ND		10000	8080	81	10000	8510	85	5	70-130/20
74-83-9	Methyl bromide	ND		500	485	97	500	497	99	2	68-132/18
74-87-3	Methyl chloride	12.0	J	500	404	78	500	418	81	3	39-150/28
75-09-2	Methylene chloride	ND		500	455	91	500	452	90	1	67-128/18
100-42-5	Styrene	ND		500	500	100	500	499	100	0	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		500	463	93	500	462	92	0	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	473	95	500	478	96	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		500	470	94	500	467	93	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		500	419	84	500	449	90	7	68-129/17
95-63-6	1,2,4-Trimethylbenzene	14.4	J	500	467	91	500	480	93	3	74-129/17
108-67-8	1,3,5-Trimethylbenzene	11.3	J	500	502	98	500	512	100	2	77-129/17
127-18-4	Tetrachloroethylene	ND		500	465	93	500	465	93	0	69-127/20
108-88-3	Toluene	ND		500	475	95	500	481	96	1	75-122/17
79-01-6	Trichloroethylene	1150		500	1590	88	500	1510	72* [a]	5	78-123/17
75-69-4	Trichlorofluoromethane	ND		500	505	101	500	500	100	1	65-136/23
75-01-4	Vinyl chloride	ND		500	555	111	500	550	110	1	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40939
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
C40886-7MS	W55306.D	25	07/29/15	JC	n/a	n/a	VW2038
C40886-7MSD	W55307.D	25	07/29/15	JC	n/a	n/a	VW2038
C40886-7	W55304.D	25	07/29/15	JC	n/a	n/a	VW2038

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

C40939-1, C40939-2, C40939-3, C40939-4, C40939-5, C40939-6, C40939-7, C40939-8, C40939-9, C40939-10, C40939-11, C40939-12, C40939-13

CAS No.	Compound	C40886-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	34.4		1000	954	92	1000	962	93	1	76-125/17
95-47-6	o-Xylene	32.6		500	477	89	500	484	90	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C40886-7	Limits
1868-53-7	Dibromofluoromethane	99%	98%	95%	70-130%
2037-26-5	Toluene-D8	101%	101%	101%	70-130%
460-00-4	4-Bromofluorobenzene	102%	99%	97%	70-130%

(a) Outside control limits due to high level in sample relative to spike amount. AZ:M3

* = 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: C40939
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	GP8167/GN17022	3.0	0.0	ug/l	25	25.5	102.0	85-115%
Perchlorate	GP8175/GN17037	3.0	0.0	ug/l	25	26.1	104.4	85-115%
Specific Conductivity	GN16990	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP8167: C40939-1, C40939-2, C40939-3, C40939-4, C40939-5, C40939-6, C40939-7, C40939-8
Batch GP8175: C40939-9, C40939-10, C40939-11, C40939-12
Batch GN16990: C40939-1, C40939-2, C40939-3, C40939-4, C40939-5, C40939-6, C40939-7, C40939-8, C40939-9, C40939-10, C40939-11, C40939-12
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40939
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	GP8167/GN17022	ug/l	25	25.2	1.2	
Perchlorate	GP8175/GN17037	ug/l	25	25.8	1.2	

Associated Samples:
Batch GP8167: C40939-1, C40939-2, C40939-3, C40939-4, C40939-5, C40939-6, C40939-7, C40939-8
Batch GP8175: C40939-9, C40939-10, C40939-11, C40939-12
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40939
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	GN16990	C40939-3	umhos/cm	211	209	1.0	0-10%

Associated Samples:
Batch GN16990: C40939-1, C40939-2, C40939-3, C40939-4, C40939-5, C40939-6, C40939-7, C40939-8, C40939-9, C40939-10, C40939-11, C40939-12
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40939
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	GP8167/GN17037	C40939-3	ug/l	4.1	25	29.9	103.2	80-120%
Perchlorate	GP8175/GN17037	C40942-6	ug/l	1.3	25	28.2	107.6	80-120%

Associated Samples:
Batch GP8167: C40939-1, C40939-2, C40939-3, C40939-4, C40939-5, C40939-6, C40939-7, C40939-8
Batch GP8175: C40939-9, C40939-10, C40939-11, C40939-12
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40939
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	GP8167/GN17037	C40939-3	ug/l	4.1	25	30.5	1.3	15%
Perchlorate	GP8175/GN17037	C40942-6	ug/l	1.3	25	28.1	0.4	15%

Associated Samples:
Batch GP8167: C40939-1, C40939-2, C40939-3, C40939-4, C40939-5, C40939-6, C40939-7, C40939-8
Batch GP8175: C40939-9, C40939-10, C40939-11, C40939-12
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
ACCUTEST
LABORATORIES

08/18/15

Technical Report for

United Technology Corporation

ENSTNM: UTC RFF Superfund Site - Rialto, CA

08888 17231

Accutest Job Number: C41034

Sampling Dates: 07/29/15 - 07/31/15

Report to:

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Memphis, TN 38134
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ATTN: Josh Teves

Total number of pages in report: **172**

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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Accutest Laboratories

Sample Summary

United Technology Corporation

Job No: C41034

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 08888 17231

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C41034-1	07/29/15	08:15	MB	08/01/15	AQ	Ground Water	PW11G 750
C41034-2	07/29/15	08:40	MB	08/01/15	AQ	Ground Water	PW11G 695
C41034-3	07/29/15	08:40	MB	08/01/15	AQ	Ground Water	PW11H 695
C41034-4	07/29/15	09:10	MB	08/01/15	AQ	Ground Water	PW11G 560
C41034-5	07/29/15	09:30	MB	08/01/15	AQ	Ground Water	PW11G 450
C41034-6	07/29/15	09:55	MB	08/01/15	AQ	Ground Water	PW11G 355
C41034-7	07/29/15	11:15	MB	08/01/15	AQ	Ground Water	PW12G 725
C41034-8	07/29/15	11:35	MB	08/01/15	AQ	Ground Water	PW12G 555
C41034-9	07/29/15	12:00	MB	08/01/15	AQ	Ground Water	PW12G 500
C41034-10	07/29/15	12:20	MB	08/01/15	AQ	Ground Water	PW12G 395
C41034-11	07/29/15	12:40	MB	08/01/15	AQ	Ground Water	PW12G 345
C41034-12	07/29/15	12:55	MB	08/01/15	AQ	Equipment Blank	EB1072915
C41034-13	07/29/15	08:00	MB	08/01/15	AQ	Trip Blank Water	TB1072915

Accutest Laboratories

Sample Summary
(continued)

United Technology Corporation

Job No: C41034

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 08888 17231

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C41034-14	07/30/15	08:35	MB	08/01/15	AQ	Ground Water	CPW16G 753
C41034-15	07/30/15	09:00	MB	08/01/15	AQ	Ground Water	CPW16G 718
C41034-15D	07/30/15	09:00	MB	08/01/15	AQ	Water Dup/MSD	CPW16G 718
C41034-15S	07/30/15	09:00	MB	08/01/15	AQ	Water Matrix Spike	CPW16G 718
C41034-16	07/30/15	09:45	MB	08/01/15	AQ	Ground Water	CPW16G 638
C41034-17	07/30/15	09:45	MB	08/01/15	AQ	Ground Water	CPW16H 638
C41034-18	07/30/15	10:05	MB	08/01/15	AQ	Ground Water	CPW16G 513
C41034-19	07/30/15	10:25	MB	08/01/15	AQ	Ground Water	CPW16G 417
C41034-20	07/30/15	10:45	MB	08/01/15	AQ	Ground Water	CPW16G 378
C41034-21	07/30/15	11:10	MB	08/01/15	AQ	Ground Water	CPW16G 295
C41034-22	07/30/15	12:40	MB	08/01/15	AQ	Ground Water	MP7G 701
C41034-23	07/30/15	13:15	MB	08/01/15	AQ	Ground Water	MP7G 588
C41034-24	07/30/15	13:35	MB	08/01/15	AQ	Ground Water	MP7G 508

Accutest Laboratories

Sample Summary
(continued)

United Technology Corporation

Job No: C41034

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 08888 17231

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C41034-25	07/30/15	13:55	MB	08/01/15	AQ	Ground Water	MP7G 433
C41034-26	07/30/15	14:15	MB	08/01/15	AQ	Ground Water	MP7G 357
C41034-26D	07/30/15	14:15	MB	08/01/15	AQ	Water Dup/MSD	MP7G 357
C41034-26S	07/30/15	14:15	MB	08/01/15	AQ	Water Matrix Spike	MP7G 357
C41034-27	07/30/15	14:35	MB	08/01/15	AQ	Equipment Blank	EB1073015
C41034-28	07/30/15	08:00	MB	08/01/15	AQ	Trip Blank Water	TB1073015
C41034-29	07/31/15	09:35	MB	08/01/15	AQ	Ground Water	MP5G 740
C41034-30	07/31/15	10:00	MB	08/01/15	AQ	Ground Water	MP5G 630
C41034-31	07/31/15	10:25	MB	08/01/15	AQ	Ground Water	MP5G 507
C41034-32	07/31/15	10:45	MB	08/01/15	AQ	Ground Water	MP5G 412
C41034-33	07/31/15	10:45	MB	08/01/15	AQ	Ground Water	MP5H 412
C41034-34	07/31/15	11:10	MB	08/01/15	AQ	Ground Water	MP5G 357
C41034-34D	07/31/15	11:10	MB	08/01/15	AQ	Water Dup/MSD	MP5G 357

Accutest Laboratories

Sample Summary
(continued)

United Technology Corporation

Job No: C41034

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 08888 17231

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C41034-34S	07/31/15	11:10	MB	08/01/15	AQ	Water Matrix Spike	MP5G 357
C41034-35	07/31/15	13:15	MB	08/01/15	AQ	Ground Water	PW13G 615
C41034-36	07/31/15	13:40	MB	08/01/15	AQ	Ground Water	PW13G 525
C41034-37	07/31/15	14:00	MB	08/01/15	AQ	Ground Water	PW13G 475
C41034-38	07/31/15	14:00	MB	08/01/15	AQ	Ground Water	PW13H 475
C41034-39	07/31/15	14:20	MB	08/01/15	AQ	Ground Water	PW13G 395
C41034-40	07/31/15	14:45	MB	08/01/15	AQ	Ground Water	PW13G 340
C41034-40D	07/31/15	14:45	MB	08/01/15	AQ	Water Dup/MSD	PW13G 340
C41034-40S	07/31/15	14:45	MB	08/01/15	AQ	Water Matrix Spike	PW13G 340
C41034-41	07/31/15	15:00	MB	08/01/15	AQ	Equipment Blank	EB1073115

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: United Technology Corporation **Job No** C41034

Site: ENSTNM: UTC RFF Superfund Site - Rialto, CA **Report Date** 8/18/2015 1:10:51 AM

39 Sample(s), 2 Trip Blank(s) and 0 Field Blank(s) were collected between 07/29/2015 and 07/31/2015 and were received at Accutest on 08/01/2015 properly preserved, at 2.3 Deg. C and intact. These Samples received an Accutest job number of C41034. 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:** VW2044

- Sample(s) C40942-20MS, C40942-20MSD were used as the QC samples indicated.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for 1,1,1-Trichloroethane, 1,1-Dichloroethylene, Carbon tetrachloride are outside laboratory control limits. The associated blank spike recoveries were acceptable.
- RPD(s) for MSD for Isopropyl Alcohol, 1,2-Dichloroethane are outside laboratory control limits for sample C40942-20MSD.

Matrix: AQ **Batch ID:** VW2045

- Sample(s) C41034-15MS, C41034-15MSD, C41034-26MS, C41034-26MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for 1,1,1-Trichloroethane, 1,1-Dichloroethylene, Carbon tetrachloride, Trichlorofluoromethane are laboratory outside control limits. The associated blank spike recoveries were acceptable.

Matrix: AQ **Batch ID:** VW2046

- Sample(s) C41034-34MS, C41034-34MSD, C41034-40MS, C41034-40MSD were used as the QC samples indicated.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP8181

- Sample(s) C40942-20MS, C40942-20MSD were used as the QC samples for Perchlorate.

Matrix: AQ **Batch ID:** GP8191

- Sample(s) C41034-15MS, C41034-15MSD, C41034-26MS, C41034-26MSD were used as the QC samples for Perchlorate.

Matrix: AQ **Batch ID:** GP8192

- Sample(s) C41034-34MS, C41034-34MSD, C41034-40MS, C41034-40MSD were used as the QC samples for Perchlorate.

Matrix: AQ **Batch ID:** GP8206

- Sample(s) C41193-9MS, C41193-9MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM2510 B-97

Matrix: AQ **Batch ID:** GN16996

- Sample(s) C40942-20DUP were used as the QC samples for Specific Conductivity.

Matrix: AQ **Batch ID:** GN16997

- Sample(s) C41034-15DUP, C41034-26DUP were used as the QC samples for Specific Conductivity.

Matrix: AQ **Batch ID:** GN16999

- Sample(s) C41034-34DUP, C41034-40DUP 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: C41034
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 07/29/15 thru 07/31/15

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C41034-1	**PW11G 750**					
Specific Conductivity		244	1.0	1.0	umhos/cm	SM2510 B-97
C41034-2	**PW11G 695**					
Perchlorate		1.1	1.0	0.65	ug/l	EPA 314
Specific Conductivity		336	1.0	1.0	umhos/cm	SM2510 B-97
C41034-3	**PW11H 695**					
Specific Conductivity		337	1.0	1.0	umhos/cm	SM2510 B-97
C41034-4	**PW11G 560**					
Specific Conductivity		264	1.0	1.0	umhos/cm	SM2510 B-97
C41034-5	**PW11G 450**					
Perchlorate		9.6	1.0	0.65	ug/l	EPA 314
Specific Conductivity		298	1.0	1.0	umhos/cm	SM2510 B-97
C41034-6	**PW11G 355**					
Trichloroethylene		0.73 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		24.2	1.0	0.65	ug/l	EPA 314
Specific Conductivity		466	1.0	1.0	umhos/cm	SM2510 B-97
C41034-7	**PW12G 725**					
Perchlorate		1.4	1.0	0.65	ug/l	EPA 314
Specific Conductivity		334	1.0	1.0	umhos/cm	SM2510 B-97
C41034-8	**PW12G 555**					
Specific Conductivity		278	1.0	1.0	umhos/cm	SM2510 B-97
C41034-9	**PW12G 500**					
Specific Conductivity		287	1.0	1.0	umhos/cm	SM2510 B-97
C41034-10	**PW12G 395**					
Perchlorate		5.7	1.0	0.65	ug/l	EPA 314
Specific Conductivity		411	1.0	1.0	umhos/cm	SM2510 B-97

Summary of Hits

Job Number: C41034
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 07/29/15 thru 07/31/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C41034-11	**PW12G 345**					
Chloroform		0.29 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		3.1	1.0	0.65	ug/l	EPA 314
Specific Conductivity		469	1.0	1.0	umhos/cm	SM2510 B-97
C41034-12	**EB1072915**					
Isopropyl Alcohol		11.0 J	100	5.0	ug/l	SW846 8260B
C41034-13	**TB1072915**					
No hits reported in this sample.						
C41034-14	**CPW16G 753**					
Isopropyl Alcohol		14.4 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		242	1.0	1.0	umhos/cm	SM2510 B-97
C41034-15	**CPW16G 718**					
Isopropyl Alcohol		14.8 J	100	5.0	ug/l	SW846 8260B
Perchlorate		0.97 J	1.0	0.65	ug/l	EPA 314
Specific Conductivity		261	1.0	1.0	umhos/cm	SM2510 B-97
C41034-16	**CPW16G 638**					
Isopropyl Alcohol		13.9 J	100	5.0	ug/l	SW846 8260B
Perchlorate		1.0	1.0	0.65	ug/l	EPA 314
Specific Conductivity		335	1.0	1.0	umhos/cm	SM2510 B-97
C41034-17	**CPW16H 638**					
Isopropyl Alcohol		22.0 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		334	1.0	1.0	umhos/cm	SM2510 B-97
C41034-18	**CPW16G 513**					
Isopropyl Alcohol		27.3 J	100	5.0	ug/l	SW846 8260B
Perchlorate		1.4	1.0	0.65	ug/l	EPA 314
Specific Conductivity		218	1.0	1.0	umhos/cm	SM2510 B-97

Summary of Hits

Job Number: C41034
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 07/29/15 thru 07/31/15

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C41034-19	**CPW16G 417**					
Isopropyl Alcohol		20.7 J	100	5.0	ug/l	SW846 8260B
Trichloroethylene		3.6	1.0	0.20	ug/l	SW846 8260B
Perchlorate		149	5.0	3.3	ug/l	EPA 314
Specific Conductivity		428	1.0	1.0	umhos/cm	SM2510 B-97
C41034-20	**CPW16G 378**					
Isopropyl Alcohol		21.4 J	100	5.0	ug/l	SW846 8260B
Trichloroethylene		2.0	1.0	0.20	ug/l	SW846 8260B
Perchlorate		86.2	2.0	1.3	ug/l	EPA 314
Specific Conductivity		489	1.0	1.0	umhos/cm	SM2510 B-97
C41034-21	**CPW16G 295**					
Isopropyl Alcohol		14.7 J	100	5.0	ug/l	SW846 8260B
Perchlorate		2.8	1.0	0.65	ug/l	EPA 314
Specific Conductivity		489	1.0	1.0	umhos/cm	SM2510 B-97
C41034-22	**MP7G 701**					
Isopropyl Alcohol		14.4 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		349	1.0	1.0	umhos/cm	SM2510 B-97
C41034-23	**MP7G 588**					
Isopropyl Alcohol		11.7 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		304	1.0	1.0	umhos/cm	SM2510 B-97
C41034-24	**MP7G 508**					
Perchlorate		2.4	1.0	0.65	ug/l	EPA 314
Specific Conductivity		313	1.0	1.0	umhos/cm	SM2510 B-97
C41034-25	**MP7G 433**					
Isopropyl Alcohol		30.9 J	100	5.0	ug/l	SW846 8260B
Perchlorate		5.9	1.0	0.65	ug/l	EPA 314
Specific Conductivity		469	1.0	1.0	umhos/cm	SM2510 B-97
C41034-26	**MP7G 357**					
Isopropyl Alcohol		22.7 J	100	5.0	ug/l	SW846 8260B
Perchlorate		7.2	1.0	0.65	ug/l	EPA 314

Summary of Hits

Job Number: C41034
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 07/29/15 thru 07/31/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Specific Conductivity		597	1.0	1.0	umhos/cm	SM2510 B-97
C41034-27	**EB1073015**					
Isopropyl Alcohol		33.7 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		1.0 J	1.0	1.0	umhos/cm	SM2510 B-97
C41034-28	**TB1073015**					
Isopropyl Alcohol		55.2 J	100	5.0	ug/l	SW846 8260B
C41034-29	**MP5G 740**					
Isopropyl Alcohol		17.5 J	100	5.0	ug/l	SW846 8260B
Perchlorate		1.2	1.0	0.65	ug/l	EPA 314
Specific Conductivity		261	1.0	1.0	umhos/cm	SM2510 B-97
C41034-30	**MP5G 630**					
Isopropyl Alcohol		5.4 J	100	5.0	ug/l	SW846 8260B
Perchlorate		1.4	1.0	0.65	ug/l	EPA 314
Specific Conductivity		219	1.0	1.0	umhos/cm	SM2510 B-97
C41034-31	**MP5G 507**					
Chloroform		0.75 J	1.0	0.20	ug/l	SW846 8260B
Dichlorodifluoromethane		0.32 J	1.0	0.20	ug/l	SW846 8260B
Tetrachloroethylene		1.9	1.0	0.30	ug/l	SW846 8260B
Perchlorate		1.2	1.0	0.65	ug/l	EPA 314
Specific Conductivity		300	1.0	1.0	umhos/cm	SM2510 B-97
C41034-32	**MP5G 412**					
1,2-Dichloropropane		0.41 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		0.27 J	1.0	0.20	ug/l	SW846 8260B
Tetrachloroethylene		2.7	1.0	0.30	ug/l	SW846 8260B
Trichloroethylene		0.28 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		5.4	1.0	0.65	ug/l	EPA 314
Specific Conductivity		408	1.0	1.0	umhos/cm	SM2510 B-97
C41034-33	**MP5H 412**					
1,2-Dichloropropane		0.40 J	1.0	0.20	ug/l	SW846 8260B
Dichlorodifluoromethane		0.25 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		0.27 J	1.0	0.20	ug/l	SW846 8260B

Summary of Hits

Job Number: C41034
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 07/29/15 thru 07/31/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Isopropyl Alcohol		6.3 J	100	5.0	ug/l	SW846 8260B
Tetrachloroethylene		2.5	1.0	0.30	ug/l	SW846 8260B
Trichloroethylene		0.23 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		5.4	1.0	0.65	ug/l	EPA 314
Specific Conductivity		408	1.0	1.0	umhos/cm	SM2510 B-97
C41034-34	**MP5G 357**					
Perchlorate		2.5	1.0	0.65	ug/l	EPA 314
Specific Conductivity		481	1.0	1.0	umhos/cm	SM2510 B-97
C41034-35	**PW13G 615**					
Specific Conductivity		252	1.0	1.0	umhos/cm	SM2510 B-97
C41034-36	**PW13G 525**					
Specific Conductivity		288	1.0	1.0	umhos/cm	SM2510 B-97
C41034-37	**PW13G 475**					
Isopropyl Alcohol		5.6 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		192	1.0	1.0	umhos/cm	SM2510 B-97
C41034-38	**PW13H 475**					
Isopropyl Alcohol		7.7 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		190	1.0	1.0	umhos/cm	SM2510 B-97
C41034-39	**PW13G 395**					
Perchlorate		3.9	1.0	0.65	ug/l	EPA 314
Specific Conductivity		271	1.0	1.0	umhos/cm	SM2510 B-97
C41034-40	**PW13G 340**					
Perchlorate		9.4	1.0	0.65	ug/l	EPA 314
Specific Conductivity		398	1.0	1.0	umhos/cm	SM2510 B-97
C41034-41	**EB1073115**					
Specific Conductivity		1.1	1.0	1.0	umhos/cm	SM2510 B-97

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	PW11G 750		
Lab Sample ID:	C41034-1	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55399.D	1	08/04/15	JC	n/a	n/a	VW2044
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	PW11G 750		
Lab Sample ID:	C41034-1	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	99%		80-113%

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

Report of Analysis

Client Sample ID:	PW11G 750		
Lab Sample ID:	C41034-1	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	0.65 U	1.0	0.65	ug/l	1	08/08/15 18:53	PH	EPA 314
Specific Conductivity	244	1.0	1.0	umhos/cm	1	08/04/15 14:00	HD	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:	PW11G 695		
Lab Sample ID:	C41034-2	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55400.D	1	08/04/15	JC	n/a	n/a	VW2044
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	PW11G 695		
Lab Sample ID:	C41034-2	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	98%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	101%		80-113%

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

Report of Analysis

Client Sample ID:	PW11G 695		
Lab Sample ID:	C41034-2	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	1.1	1.0	0.65	ug/l	1	08/08/15 19:11	PH	EPA 314
Specific Conductivity	336	1.0	1.0	umhos/cm	1	08/04/15 14:00	HD	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:	PW11H 695		
Lab Sample ID:	C41034-3	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55401.D	1	08/04/15	JC	n/a	n/a	VW2044
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	PW11H 695		
Lab Sample ID:	C41034-3	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	99%		80-113%

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

Report of Analysis

Client Sample ID:	PW11H 695		
Lab Sample ID:	C41034-3	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	0.65 U	1.0	0.65	ug/l	1	08/08/15 19:29	PH	EPA 314
Specific Conductivity	337	1.0	1.0	umhos/cm	1	08/04/15 14:00	HD	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:	PW11G 560		
Lab Sample ID:	C41034-4	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55402.D	1	08/04/15	JC	n/a	n/a	VW2044
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	PW11G 560		
Lab Sample ID:	C41034-4	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	101%		86-114%
460-00-4	4-Bromofluorobenzene	101%		80-113%

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

Report of Analysis

Client Sample ID:	PW11G 560		
Lab Sample ID:	C41034-4	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	0.65 U	1.0	0.65	ug/l	1	08/08/15 19:47	PH	EPA 314
Specific Conductivity	264	1.0	1.0	umhos/cm	1	08/04/15 14:00	HD	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:	PW11G 450		
Lab Sample ID:	C41034-5	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55403.D	1	08/04/15	JC	n/a	n/a	VW2044
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	PW11G 450		
Lab Sample ID:	C41034-5	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	98%		78-125%
2037-26-5	Toluene-D8	101%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

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

Report of Analysis

Client Sample ID:	PW11G 450		
Lab Sample ID:	C41034-5	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	9.6	1.0	0.65	ug/l	1	08/08/15 20:05	PH	EPA 314
Specific Conductivity	298	1.0	1.0	umhos/cm	1	08/04/15 14:00	HD	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:	PW11G 355		
Lab Sample ID:	C41034-6	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55404.D	1	08/04/15	JC	n/a	n/a	VW2044
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	PW11G 355		
Lab Sample ID:	C41034-6	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	0.73	1.0	0.20	ug/l	J
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		78-125%
2037-26-5	Toluene-D8	101%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

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

Report of Analysis

Client Sample ID:	PW11G 355		
Lab Sample ID:	C41034-6	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	24.2	1.0	0.65	ug/l	1	08/08/15 20:23	PH	EPA 314
Specific Conductivity	466	1.0	1.0	umhos/cm	1	08/04/15 14:00	HD	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:	PW12G 725		
Lab Sample ID:	C41034-7	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55405.D	1	08/04/15	JC	n/a	n/a	VW2044
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	PW12G 725		
Lab Sample ID:	C41034-7	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	102%		86-114%
460-00-4	4-Bromofluorobenzene	101%		80-113%

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

Report of Analysis

Client Sample ID:	PW12G 725		
Lab Sample ID:	C41034-7	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	1.4	1.0	0.65	ug/l	1	08/08/15 20:41	PH	EPA 314
Specific Conductivity	334	1.0	1.0	umhos/cm	1	08/04/15 14:00	HD	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:	PW12G 555		
Lab Sample ID:	C41034-8	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55406.D	1	08/04/15	JC	n/a	n/a	VW2044
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	PW12G 555		
Lab Sample ID:	C41034-8	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	101%		86-114%
460-00-4	4-Bromofluorobenzene	101%		80-113%

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

Report of Analysis

Client Sample ID:	PW12G 555		
Lab Sample ID:	C41034-8	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	0.65 U	1.0	0.65	ug/l	1	08/08/15 20:58	PH	EPA 314
Specific Conductivity	278	1.0	1.0	umhos/cm	1	08/04/15 13:00	HD	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:	PW12G 500		
Lab Sample ID:	C41034-9	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55407.D	1	08/04/15	JC	n/a	n/a	VW2044
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	PW12G 500		
Lab Sample ID:	C41034-9	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	101%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

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

Report of Analysis

Client Sample ID:	PW12G 500		
Lab Sample ID:	C41034-9	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	0.65 U	1.0	0.65	ug/l	1	08/09/15 11:45	PH	EPA 314
Specific Conductivity	287	1.0	1.0	umhos/cm	1	08/04/15 13:00	HD	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:	PW12G 395		
Lab Sample ID:	C41034-10	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55408.D	1	08/04/15	JC	n/a	n/a	VW2044
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	PW12G 395		
Lab Sample ID:	C41034-10	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	101%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

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

Report of Analysis

Client Sample ID:	PW12G 395		
Lab Sample ID:	C41034-10	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	0.65	ug/l	1	08/09/15 12:03	PH	EPA 314
Specific Conductivity	411	1.0	1.0	umhos/cm	1	08/04/15 13:00	HD	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:	PW12G 345		
Lab Sample ID:	C41034-11	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55409.D	1	08/04/15	JC	n/a	n/a	VW2044
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	0.29	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	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:	PW12G 345		
Lab Sample ID:	C41034-11	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	102%		86-114%
460-00-4	4-Bromofluorobenzene	101%		80-113%

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

Report of Analysis

Client Sample ID:	PW12G 345		
Lab Sample ID:	C41034-11	**Date Sampled:**	07/29/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	0.65	ug/l	1	08/09/15 12:20	PH	EPA 314
Specific Conductivity	469	1.0	1.0	umhos/cm	1	08/04/15 13:00	HD	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:	EB1072915		
Lab Sample ID:	C41034-12	**Date Sampled:**	07/29/15
Matrix:	AQ - Equipment Blank	**Date Received:**	08/01/15
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	W55410.D	1	08/04/15	JC	n/a	n/a	VW2044
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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	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:	EB1072915		
Lab Sample ID:	C41034-12	**Date Sampled:**	07/29/15
Matrix:	AQ - Equipment Blank	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	102%		86-114%
460-00-4	4-Bromofluorobenzene	102%		80-113%

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

Report of Analysis

Client Sample ID:	EB1072915		
Lab Sample ID:	C41034-12	**Date Sampled:**	07/29/15
Matrix:	AQ - Equipment Blank	**Date Received:**	08/01/15
		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	0.65 U	1.0	0.65	ug/l	1	08/09/15 12:38	PH	EPA 314
Specific Conductivity	1.0 U	1.0	1.0	umhos/cm	1	08/04/15 13:00	HD	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:	TB1072915		
Lab Sample ID:	C41034-13	**Date Sampled:**	07/29/15
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/01/15
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	W55423.D	1	08/05/15	JC	n/a	n/a	VW2045
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	TB1072915		
Lab Sample ID:	C41034-13	**Date Sampled:**	07/29/15
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	99%		80-113%

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

Report of Analysis

Client Sample ID:	CPW16G 753		
Lab Sample ID:	C41034-14	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55426.D	1	08/05/15	JC	n/a	n/a	VW2045
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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	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:	CPW16G 753		
Lab Sample ID:	C41034-14	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	98%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

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

Report of Analysis

Client Sample ID:	CPW16G 753		
Lab Sample ID:	C41034-14	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	0.65 U	1.0	0.65	ug/l	1	08/09/15 12:56	PH	EPA 314
Specific Conductivity	242	1.0	1.0	umhos/cm	1	08/04/15 13:00	HD	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:	CPW16G 718		
Lab Sample ID:	C41034-15	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55427.D	1	08/05/15	JC	n/a	n/a	VW2045
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	CPW16G 718		
Lab Sample ID:	C41034-15	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	98%		78-125%
2037-26-5	Toluene-D8	101%		86-114%
460-00-4	4-Bromofluorobenzene	101%		80-113%

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

Report of Analysis

Client Sample ID:	CPW16G 718		
Lab Sample ID:	C41034-15	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	0.97 J	1.0	0.65	ug/l	1	08/09/15 13:50	PH	EPA 314
Specific Conductivity	261	1.0	1.0	umhos/cm	1	08/04/15 13:00	HD	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:	CPW16G 638		
Lab Sample ID:	C41034-16	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55428.D	1	08/05/15	JC	n/a	n/a	VW2045
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	13.9	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:	CPW16G 638		
Lab Sample ID:	C41034-16	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	101%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

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

Report of Analysis

Client Sample ID:	CPW16G 638		
Lab Sample ID:	C41034-16	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	0.65	ug/l	1	08/09/15 14:43	PH	EPA 314
Specific Conductivity	335	1.0	1.0	umhos/cm	1	08/04/15 13:00	HD	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:	CPW16H 638		
Lab Sample ID:	C41034-17	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55429.D	1	08/05/15	JC	n/a	n/a	VW2045
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	22.0	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:	CPW16H 638		
Lab Sample ID:	C41034-17	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	101%		86-114%
460-00-4	4-Bromofluorobenzene	101%		80-113%

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

Report of Analysis

Client Sample ID:	CPW16H 638		
Lab Sample ID:	C41034-17	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	0.65 U	1.0	0.65	ug/l	1	08/09/15 15:01	PH	EPA 314
Specific Conductivity	334	1.0	1.0	umhos/cm	1	08/04/15 13:00	HD	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:	CPW16G 513		
Lab Sample ID:	C41034-18	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55430.D	1	08/05/15	JC	n/a	n/a	VW2045
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	27.3	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	

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

Report of Analysis

Client Sample ID:	CPW16G 513		
Lab Sample ID:	C41034-18	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	98%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	102%		80-113%

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

Report of Analysis

Client Sample ID:	CPW16G 513		
Lab Sample ID:	C41034-18	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	1.4	1.0	0.65	ug/l	1	08/09/15 15:19	PH	EPA 314
Specific Conductivity	218	1.0	1.0	umhos/cm	1	08/04/15 13:00	HD	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:	CPW16G 417		
Lab Sample ID:	C41034-19	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55431.D	1	08/05/15	JC	n/a	n/a	VW2045
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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	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:	CPW16G 417		
Lab Sample ID:	C41034-19	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	3.6	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	103%		80-113%

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

Report of Analysis

Client Sample ID:	CPW16G 417		
Lab Sample ID:	C41034-19	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	149	5.0	3.3	ug/l	5	08/13/15 14:20	PH	EPA 314
Specific Conductivity	428	1.0	1.0	umhos/cm	1	08/04/15 13:00	HD	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:	CPW16G 378		
Lab Sample ID:	C41034-20	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55432.D	1	08/05/15	JC	n/a	n/a	VW2045
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	21.4	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:	CPW16G 378		
Lab Sample ID:	C41034-20	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	2.0	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		78-125%
2037-26-5	Toluene-D8	99%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

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

Report of Analysis

Client Sample ID:	CPW16G 378		
Lab Sample ID:	C41034-20	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	86.2	2.0	1.3	ug/l	2	08/13/15 14:37	PH	EPA 314
Specific Conductivity	489	1.0	1.0	umhos/cm	1	08/04/15 13:00	HD	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:	CPW16G 295		
Lab Sample ID:	C41034-21	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55433.D	1	08/05/15	JC	n/a	n/a	VW2045
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	14.7	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:	CPW16G 295		
Lab Sample ID:	C41034-21	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	101%		80-113%

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

Report of Analysis

Client Sample ID:	CPW16G 295		
Lab Sample ID:	C41034-21	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	2.8	1.0	0.65	ug/l	1	08/09/15 16:13	PH	EPA 314
Specific Conductivity	489	1.0	1.0	umhos/cm	1	08/04/15 13:00	HD	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:	MP7G 701		
Lab Sample ID:	C41034-22	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55434.D	1	08/05/15	JC	n/a	n/a	VW2045
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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	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:	MP7G 701		
Lab Sample ID:	C41034-22	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	101%		86-114%
460-00-4	4-Bromofluorobenzene	102%		80-113%

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

Report of Analysis

Client Sample ID:	MP7G 701		
Lab Sample ID:	C41034-22	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	0.65 U	1.0	0.65	ug/l	1	08/09/15 16:30	PH	EPA 314
Specific Conductivity	349	1.0	1.0	umhos/cm	1	08/04/15 13:00	HD	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:	MP7G 588		
Lab Sample ID:	C41034-23	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55435.D	1	08/05/15	JC	n/a	n/a	VW2045
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	11.7	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:	MP7G 588		
Lab Sample ID:	C41034-23	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	101%		80-113%

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

Report of Analysis

Client Sample ID:	MP7G 588		
Lab Sample ID:	C41034-23	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	0.65 U	1.0	0.65	ug/l	1	08/09/15 17:24	PH	EPA 314
Specific Conductivity	304	1.0	1.0	umhos/cm	1	08/04/15 13:00	HD	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:	MP7G 508		
Lab Sample ID:	C41034-24	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55436.D	1	08/05/15	JC	n/a	n/a	VW2045
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	MP7G 508		
Lab Sample ID:	C41034-24	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	101%		86-114%
460-00-4	4-Bromofluorobenzene	104%		80-113%

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

Report of Analysis

Client Sample ID:	MP7G 508		
Lab Sample ID:	C41034-24	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	0.65	ug/l	1	08/09/15 17:42	PH	EPA 314
Specific Conductivity	313	1.0	1.0	umhos/cm	1	08/04/15 13:00	HD	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:	MP7G 433		
Lab Sample ID:	C41034-25	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55458.D	1	08/06/15	JC	n/a	n/a	VW2046
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	30.9	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:	MP7G 433		
Lab Sample ID:	C41034-25	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

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

Report of Analysis

Client Sample ID:	MP7G 433		
Lab Sample ID:	C41034-25	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	0.65	ug/l	1	08/09/15 18:00	PH	EPA 314
Specific Conductivity	469	1.0	1.0	umhos/cm	1	08/04/15 13:00	HD	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:	MP7G 357		
Lab Sample ID:	C41034-26	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55437.D	1	08/05/15	JC	n/a	n/a	VW2045
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	MP7G 357		
Lab Sample ID:	C41034-26	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	102%		86-114%
460-00-4	4-Bromofluorobenzene	102%		80-113%

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

Report of Analysis

Client Sample ID:	MP7G 357		
Lab Sample ID:	C41034-26	**Date Sampled:**	07/30/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	0.65	ug/l	1	08/09/15 18:18	PH	EPA 314
Specific Conductivity	597	1.0	1.0	umhos/cm	1	08/04/15 13:00	HD	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:	EB1073015		
Lab Sample ID:	C41034-27	**Date Sampled:**	07/30/15
Matrix:	AQ - Equipment Blank	**Date Received:**	08/01/15
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	W55425.D	1	08/05/15	JC	n/a	n/a	VW2045
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	33.7	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:	EB1073015		
Lab Sample ID:	C41034-27	**Date Sampled:**	07/30/15
Matrix:	AQ - Equipment Blank	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

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

Report of Analysis

Client Sample ID:	EB1073015		
Lab Sample ID:	C41034-27	**Date Sampled:**	07/30/15
Matrix:	AQ - Equipment Blank	**Date Received:**	08/01/15
		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	0.65 U	1.0	0.65	ug/l	1	08/09/15 19:11	PH	EPA 314
Specific Conductivity	1.0 J	1.0	1.0	umhos/cm	1	08/04/15 13:00	HD	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:	TB1073015		
Lab Sample ID:	C41034-28	**Date Sampled:**	07/30/15
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/01/15
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	W55424.D	1	08/05/15	JC	n/a	n/a	VW2045
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	55.2	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:	TB1073015		
Lab Sample ID:	C41034-28	**Date Sampled:**	07/30/15
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	101%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

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

Report of Analysis

Client Sample ID:	MP5G 740		
Lab Sample ID:	C41034-29	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55459.D	1	08/06/15	JC	n/a	n/a	VW2046
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	17.5	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:	MP5G 740		
Lab Sample ID:	C41034-29	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	99%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

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

Report of Analysis

Client Sample ID:	MP5G 740		
Lab Sample ID:	C41034-29	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	1.2	1.0	0.65	ug/l	1	08/09/15 19:29	PH	EPA 314
Specific Conductivity	261	1.0	1.0	umhos/cm	1	08/04/15 13:00	HD	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:	MP5G 630		
Lab Sample ID:	C41034-30	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55460.D	1	08/06/15	JC	n/a	n/a	VW2046
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	5.4	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:	MP5G 630		
Lab Sample ID:	C41034-30	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	99%		86-114%
460-00-4	4-Bromofluorobenzene	99%		80-113%

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

Report of Analysis

Client Sample ID:	MP5G 630		
Lab Sample ID:	C41034-30	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	1.4	1.0	0.65	ug/l	1	08/09/15 19:47	PH	EPA 314
Specific Conductivity	219	1.0	1.0	umhos/cm	1	08/04/15 17:00	HD	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:	MP5G 507		
Lab Sample ID:	C41034-31	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55461.D	1	08/06/15	JC	n/a	n/a	VW2046
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	0.75	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	0.32	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	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	1.9	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:	MP5G 507		
Lab Sample ID:	C41034-31	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	99%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

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

Report of Analysis

Client Sample ID:	MP5G 507		
Lab Sample ID:	C41034-31	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	1.2	1.0	0.65	ug/l	1	08/10/15 14:13	PH	EPA 314
Specific Conductivity	300	1.0	1.0	umhos/cm	1	08/04/15 17:00	HD	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:	MP5G 412		
Lab Sample ID:	C41034-32	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55462.D	1	08/06/15	JC	n/a	n/a	VW2046
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.41	1.0	0.20	ug/l	J
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.27	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	2.7	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:	MP5G 412		
Lab Sample ID:	C41034-32	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	98%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

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

Report of Analysis

Client Sample ID:	MP5G 412		
Lab Sample ID:	C41034-32	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	5.4	1.0	0.65	ug/l	1	08/10/15 14:31	PH	EPA 314
Specific Conductivity	408	1.0	1.0	umhos/cm	1	08/04/15 17:00	HD	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:	MP5H 412		
Lab Sample ID:	C41034-33	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55463.D	1	08/06/15	JC	n/a	n/a	VW2046
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.40	1.0	0.20	ug/l	J
75-71-8	Dichlorodifluoromethane	0.25	1.0	0.20	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	0.27	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	6.3	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	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:	MP5H 412		
Lab Sample ID:	C41034-33	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	0.23	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	97%		78-125%
2037-26-5	Toluene-D8	99%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

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

Report of Analysis

Client Sample ID:	MP5H 412		
Lab Sample ID:	C41034-33	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	5.4	1.0	0.65	ug/l	1	08/10/15 14:49	PH	EPA 314
Specific Conductivity	408	1.0	1.0	umhos/cm	1	08/04/15 17:00	HD	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:	MP5G 357		
Lab Sample ID:	C41034-34	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55464.D	1	08/06/15	JC	n/a	n/a	VW2046
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	MP5G 357		
Lab Sample ID:	C41034-34	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	98%		78-125%
2037-26-5	Toluene-D8	99%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

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

Report of Analysis

Client Sample ID:	MP5G 357		
Lab Sample ID:	C41034-34	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	2.5	1.0	0.65	ug/l	1	08/10/15 15:06	PH	EPA 314
Specific Conductivity	481	1.0	1.0	umhos/cm	1	08/04/15 17:00	HD	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:	PW13G 615		
Lab Sample ID:	C41034-35	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55465.D	1	08/06/15	JC	n/a	n/a	VW2046
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	PW13G 615		
Lab Sample ID:	C41034-35	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	99%		86-114%
460-00-4	4-Bromofluorobenzene	102%		80-113%

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

Report of Analysis

Client Sample ID:	PW13G 615		
Lab Sample ID:	C41034-35	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	0.65 U	1.0	0.65	ug/l	1	08/10/15 16:36	PH	EPA 314
Specific Conductivity	252	1.0	1.0	umhos/cm	1	08/04/15 17:00	HD	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:	PW13G 525		
Lab Sample ID:	C41034-36	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55466.D	1	08/06/15	JC	n/a	n/a	VW2046
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	PW13G 525		
Lab Sample ID:	C41034-36	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	99%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

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

Report of Analysis

Client Sample ID:	PW13G 525		
Lab Sample ID:	C41034-36	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	0.65 U	1.0	0.65	ug/l	1	08/10/15 16:54	PH	EPA 314
Specific Conductivity	288	1.0	1.0	umhos/cm	1	08/04/15 17:00	HD	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:	PW13G 475		
Lab Sample ID:	C41034-37	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55467.D	1	08/06/15	JC	n/a	n/a	VW2046
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	5.6	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:	PW13G 475		
Lab Sample ID:	C41034-37	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	99%		86-114%
460-00-4	4-Bromofluorobenzene	99%		80-113%

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

Report of Analysis

Client Sample ID:	PW13G 475		
Lab Sample ID:	C41034-37	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	0.65 U	1.0	0.65	ug/l	1	08/10/15 17:11	PH	EPA 314
Specific Conductivity	192	1.0	1.0	umhos/cm	1	08/04/15 17:00	HD	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:	PW13H 475		
Lab Sample ID:	C41034-38	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55468.D	1	08/06/15	JC	n/a	n/a	VW2046
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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	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:	PW13H 475		
Lab Sample ID:	C41034-38	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	98%		86-114%
460-00-4	4-Bromofluorobenzene	99%		80-113%

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

Report of Analysis

Client Sample ID:	PW13H 475		
Lab Sample ID:	C41034-38	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	0.65 U	1.0	0.65	ug/l	1	08/10/15 17:29	PH	EPA 314
Specific Conductivity	190	1.0	1.0	umhos/cm	1	08/04/15 17:00	HD	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:	PW13G 395		
Lab Sample ID:	C41034-39	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55469.D	1	08/06/15	JC	n/a	n/a	VW2046
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	PW13G 395		
Lab Sample ID:	C41034-39	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	98%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	99%		80-113%

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

Report of Analysis

Client Sample ID:	PW13G 395		
Lab Sample ID:	C41034-39	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	3.9	1.0	0.65	ug/l	1	08/10/15 17:47	PH	EPA 314
Specific Conductivity	271	1.0	1.0	umhos/cm	1	08/04/15 17:00	HD	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:	PW13G 340		
Lab Sample ID:	C41034-40	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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	W55470.D	1	08/06/15	JC	n/a	n/a	VW2046
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	PW13G 340		
Lab Sample ID:	C41034-40	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	99%		80-113%

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

Report of Analysis

Client Sample ID:	PW13G 340		
Lab Sample ID:	C41034-40	**Date Sampled:**	07/31/15
Matrix:	AQ - Ground Water	**Date Received:**	08/01/15
		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	9.4	1.0	0.65	ug/l	1	08/10/15 18:05	PH	EPA 314
Specific Conductivity	398	1.0	1.0	umhos/cm	1	08/04/15 17:00	HD	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:	EB1073115		
Lab Sample ID:	C41034-41	**Date Sampled:**	07/31/15
Matrix:	AQ - Equipment Blank	**Date Received:**	08/01/15
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	W55471.D	1	08/06/15	JC	n/a	n/a	VW2046
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	EB1073115		
Lab Sample ID:	C41034-41	**Date Sampled:**	07/31/15
Matrix:	AQ - Equipment Blank	**Date Received:**	08/01/15
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%		78-125%
2037-26-5	Toluene-D8	99%		86-114%
460-00-4	4-Bromofluorobenzene	99%		80-113%

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

Report of Analysis

Client Sample ID:	EB1073115		
Lab Sample ID:	C41034-41	**Date Sampled:**	07/31/15
Matrix:	AQ - Equipment Blank	**Date Received:**	08/01/15
		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	0.65 U	1.0	0.65	ug/l	1	08/10/15 18:59	PH	EPA 314
Specific Conductivity	1.1	1.0	1.0	umhos/cm	1	08/04/15 17:00	HD	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

CHAIN OF CUSTODY

Pg 1/5

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

FED-EX Tracking # 7810 7876 0391
Accutest Quote #
Bottle Order Control #
Accutest NC Job #: C C41034

Client / Reporting Information

Company Name: Ensafe
Address: 2151 Salvio St. #301
City: Concord State: Ca Zip: 94520
Project Contact: J Teres
Phone #: 925 305 2109
Samplers's Name: Maulik Barishi

Project Information

Project Name: UTC-RFP Superfund
Street:
City: Rialto State: Ca
Project #: 08888 17231
EMAIL: jteres@ensafe.com
Client Purchase Order #: 19211

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	VOC 8260B	Perchlorate E314	LAB USE ONLY
1	PW11G 730	7/29	815	MB	GW	4	3				1				X	X	
2	PW11G 695	7/29	840	MB	GW	4	3				1				X	X	
3	PW11H 695	7/29	840	MB	GW	4	3				1				X	X	
4	PW11G 560	7/29	910	MB	GW	4	3				1				X	X	
5	PW11G 450	7/29	930	MB	GW	4	3				1				X	X	
6	PW11G 355	7/29	955	MB	GW	4	3				1				X	X	
7	PW12G 725	7/29	1115	MB	GW	4	3				1				X	X	
8	PW12G 555	7/29	1135	MB	GW	4	3				1				X	X	
9	PW12G 500	7/29	1200	MB	GW	4	3				1				X	X	
10	PW12G 395	7/29	1220	MB	GW	4	3				1				X	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
- [ ] 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

WQ - Water Quality
Normal RL's w/ J Flags
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	Sampler	7/31	1520	2	7-31-15 1720	2
3	Fedex	8/1/2015 9:45	A	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. 2.3 - 1.2 °C

IRVINE

5.1 5

C41034: Chain of Custody
Page 1 of 6

CHAIN OF CUSTODY

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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 #: C41034

Client / Reporting Information

Company Name: EnSafe
Address: 2151 Salvio St. #39
City: Concord State: Ca Zip: 94520
Project Contact: J. Peres
Phone #: 925 3052109
Samplers's Name: Maulik Bavishi

Project Information

Project Name: UTC-RFF Superfund
Street:
City: Rialto State: Ca
Project #: 08888/7231
EMAIL:
Client Purchase Order #: 19211

Requested Analysis: VOC 8260B; Perchlorate E 314

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)

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 E 314	LAB USE ONLY
11	PW12G345	7/29	1240	MB	GW	4	3				1				X	X	
12	EB1072915	7/29	1255	MB	WQ	4	3				1				X	X	
13	TB1072915	7/29	0800	-	WQ	2	2								X	X	
14	CPW16G753	7/30	0835	MB	GW	4	3				1				X	X	
15	CPW16G718	7/30	900	MB	GW	2	1				3				X	X	
16	CPW16G638	7/30	0945	MB	GW	4	3				1				X	X	
17	CPW16H638	7/30	0945	MB	GW	4	3				1				X	X	
18	CPW16G513	7/30	1005	MB	GW	4	3				1				X	X	
19	CPW16G417	7/30	1025	MB	GW	4	3				1				X	X	
20	CPW16G378	7/30	1045	MB	GW	4	3				1				X	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: Ensafe 3-File Equis

Comments / Remarks

WQ-Water Quality
CPW16G718 contains volume for MS/MSD
Normal RL's w/ J-Flags
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	7/31	7-31-15 1530	2	7-31-15 1750	2
Relinquished by: FedeX	Date Time: 8/1/15 945	Received By: Ali	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by:	Date Time:	Received By:	Custody Seal # Intact	Appropriate Bottle / Pres. Y / N	Headspace Y / N	On Ice Y / N	Cooler Temp. 2.3 °C
5		5		Labels match Coc? Y / N	Separate Receiving Check List used: Y / N		

IRVINE

C41034: Chain of Custody
Page 2 of 6

CHAIN OF CUSTODY

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

pg 3/5

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest NC Job #: C C41034

Client / Reporting Information

Company Name: EnSafe
Address: 2151 Salvio St #301
City: Concord State: Ca Zip: 94520
Project Contact: J Peres
Phone #: 925 305 2109
Samplers's Name: M. Baishi

Project Information

Project Name: UTC RFP Superfund
Street:
City: Rialto State: Ca
Project #: 08888 17231
EMAIL:
Client Purchase Order #: 19211

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	8260B	E314.1	LAB USE ONLY
21	CPW166-295	7/30	1110	MB	GW	4	3				1				X	X	
22	MP76-701	7/30	1240	MB	GW	4	3				1				X	X	
23	MP76-588	7/30	1315	MB	GW	4	3				1				X	X	
24	MP76-508	7/30	1335	MB	GW	4	3				1				X	X	
25	MP76-433	7/30	1355	MB	GW	4	3				1				X	X	
26	MP76-357	7/30	1415	MB	GW	12	9				3				X	X	
27	EB1073015	7/30	1435	MB	~~GW~~ WQ	4	3				1				X	X	
28	TB1073015	7/30	0800	~~MB~~	~~GW~~ WQ	2	2								X		
29	MP56-740	7/31	0935	MB	GW	4	3				1				X	X	
30	MP56-630	7/31	1000	MB	GW	4	3				1				X	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:
- [X] EnSafe 3-File Equis

Comments / Remarks

WQ - Water Quality MP76-357 = volume for ms/msd
Normal RL's w/ J-Flags
Pre-lim 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: 7/31	Received By: 1	7-31-15 1530	Relinquished By: 2	Date Time: 7-31-15 1730	Received By: 2
Relinquished by: 3 Fedex	Date Time: 8/1/15 945	Received By: 3 Ali		Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 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. ___ °C

IRVINE

5.1 5

C41034: Chain of Custody
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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 #: C41034

Client / Reporting Information

Company Name: EnSafe
Address: Concord, Ca
City / State / Zip:
Project Contact: J. Teves
Phone #: 925 305 2109
Samplers's Name: M. Barishi

Project Information

Project Name: UTC RFF
Street:
City / State:
Project #: 088881723 1
EMAIL:
Client Purchase Order #: 19211

Requested Analysis: 8260B, E314

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI-OI; 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	E314	LAB USE ONLY
31	MP5G 507	7/31	1025	MB	GW	4	3				1				X	X	
32	MP5G 412	7/31	1045	MB	GW	4	3				1				X	X	
~~33~~	~~MP5G 357~~ MB	~~7/31~~	~~MB~~	~~GW~~											X		
33	MP5H 412	7/31	1015	MB	GW	4	3				1				X	X	
34	MP5G 357	7/31	1110	MB	GW	12	9				3				X	X	
35	PW13G615	7/31	1315	MB	GW	4	3				1				X	X	
36	PW13G525	7/31	1340	MB	GW	4	3				1				X	X	
37	PW13G475	7/31	1400	MB	GW	4	3				1				X	X	
38	PW13H475	7/31	1400	MB	GW	4	3				1				X	X	
39	PW13G395	7/31	1420	MB	GW	4	3				1				X	X	

A2
E11

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:
- [X] EnSafe 3-File Equis

Comments / Remarks

*MP5G 357 contains volume for MS/MSD
Normal RL's w/ J Flags
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		7/31	7-31-15 1520	2	7-31-15 1730	2
3	Fedex	8/1/15 9:45		4		4
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. ____ °C

IRVINE

C41034: Chain of Custody
Page 4 of 6

CHAIN OF CUSTODY

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

Pg 5/5

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest NC Job #: C C41034

Client / Reporting Information

Company Name: EnSafe
Address: 2151 Salvio #301
City: Concord State: Ca Zip:
Project Contact: J. Teres
Phone #: 925 305 2109
Samplers's Name: M. Baishi

Project Information

Project Name: UTC RPF
Street:
City: State:
Project #: 08889/7231
EMAIL:
Client Purchase Order #: 19211

Requested Analysis: 8260B; 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	NaHSO4	NaHSO4	MeOH	ENCORE	8260B	E314	LAB USE ONLY
40	PW136-340	7/31	1445	MB	GW	12	9				3				X	X	
41	EB1073115	7/31	1500	MB	WQ	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:

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: EnSafe 3-File Equis

Comments / Remarks:
PW136-340 = volume for MS/MSD
WQ = Water Quality Normal RL's w/ J Flags
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	7/31	1 7-31-15 1530	2	7-31-15 1730	2
Relinquished by: Fedex	Date Time: 8/1/15 0848	Received By: 3 A/	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # Intact	Appropriate Bottle / Pres. Y/N; Labels match Coc? Y / N	Headspace Y/N; Onice Y/N; Separate Receiving Check List used: Y / N; Cooler Temp. ___ °C

IRVINE

5.1 5

C41034: Chain of Custody
Page 5 of 6

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C41034 **Client:** ENSAFE/UTC **Project:** UTC-RFF SUPERFUND

Date / Time Received: 8/1/2015 9:45:00 AM **Delivery Method:** FedEx **Airbill #'s:** 781078760391

Cooler Temps (Initial/Adjusted): #1: (2.3/2.3); #2: (1.2/1.2);

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:	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

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: C41034
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
VW2044-MB	W55392.D	1	08/04/15	JC	n/a	n/a	VW2044

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

C41034-1, C41034-2, C41034-3, C41034-4, C41034-5, C41034-6, C41034-7, C41034-8, C41034-9, C41034-10, C41034-11, C41034-12

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	7.2	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	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/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: C41034
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
VW2044-MB	W55392.D	1	08/04/15	JC	n/a	n/a	VW2044

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

C41034-1, C41034-2, C41034-3, C41034-4, C41034-5, C41034-6, C41034-7, C41034-8, C41034-9, C41034-10, C41034-11, C41034-12

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	78-125%
2037-26-5	Toluene-D8	100%	86-114%
460-00-4	4-Bromofluorobenzene	98%	80-113%

Method Blank Summary

Job Number: C41034
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
VW2045-MB	W55422.D	1	08/05/15	JC	n/a	n/a	VW2045

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

C41034-13, C41034-14, C41034-15, C41034-16, C41034-17, C41034-18, C41034-19, C41034-20, C41034-21, C41034-22, C41034-23, C41034-24, C41034-26, C41034-27, C41034-28

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: C41034
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
VW2045-MB	W55422.D	1	08/05/15	JC	n/a	n/a	VW2045

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

C41034-13, C41034-14, C41034-15, C41034-16, C41034-17, C41034-18, C41034-19, C41034-20, C41034-21, C41034-22, C41034-23, C41034-24, C41034-26, C41034-27, C41034-28

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	94%	78-125%
2037-26-5	Toluene-D8	100%	86-114%
460-00-4	4-Bromofluorobenzene	98%	80-113%

Method Blank Summary

Job Number: C41034
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
VW2046-MB	W55457.D	1	08/06/15	JC	n/a	n/a	VW2046

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

C41034-25, C41034-29, C41034-30, C41034-31, C41034-32, C41034-33, C41034-34, C41034-35, C41034-36, C41034-37, C41034-38, C41034-39, C41034-40, C41034-41

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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: C41034
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
VW2046-MB	W55457.D	1	08/06/15	JC	n/a	n/a	VW2046

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

C41034-25, C41034-29, C41034-30, C41034-31, C41034-32, C41034-33, C41034-34, C41034-35, C41034-36, C41034-37, C41034-38, C41034-39, C41034-40, C41034-41

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	95%	78-125%
2037-26-5	Toluene-D8	99%	86-114%
460-00-4	4-Bromofluorobenzene	99%	80-113%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C41034
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
VW2044-BS	W55389.D	1	08/04/15	JC	n/a	n/a	VW2044
VW2044-BSD	W55390.D	1	08/04/15	JC	n/a	n/a	VW2044

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

C41034-1, C41034-2, C41034-3, C41034-4, C41034-5, C41034-6, C41034-7, C41034-8, C41034-9, C41034-10, C41034-11, C41034-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.6	103	20.2	101	2	77-118/10
108-90-7	Chlorobenzene	20	20.5	103	20.7	104	1	77-120/10
75-00-3	Chloroethane	20	16.4	82	16.6	83	1	63-117/10
67-66-3	Chloroform	20	19.9	100	20.0	100	1	74-123/10
56-23-5	Carbon tetrachloride	20	21.1	106	20.3	102	4	72-128/11
75-34-3	1,1-Dichloroethane	20	19.7	99	19.8	99	1	70-120/10
75-35-4	1,1-Dichloroethylene	20	21.0	105	20.8	104	1	65-120/11
106-93-4	1,2-Dibromoethane	20	20.9	105	21.3	107	2	78-123/10
107-06-2	1,2-Dichloroethane	20	20.0	100	20.0	100	0	72-123/10
78-87-5	1,2-Dichloropropane	20	20.5	103	20.5	103	0	76-119/10
75-71-8	Dichlorodifluoromethane	20	17.2	86	17.8	89	3	37-149/21
156-59-2	cis-1,2-Dichloroethylene	20	21.5	108	21.8	109	1	74-121/10
10061-01-5	cis-1,3-Dichloropropene	20	22.0	110	21.9	110	0	76-125/10
541-73-1	m-Dichlorobenzene	20	20.6	103	20.5	103	0	77-121/10
95-50-1	o-Dichlorobenzene	20	20.4	102	20.5	103	0	77-120/10
106-46-7	p-Dichlorobenzene	20	20.7	104	20.8	104	0	78-118/10
10061-02-6	trans-1,3-Dichloropropene	20	20.9	105	21.0	105	0	73-122/10
100-41-4	Ethylbenzene	20	20.7	104	20.7	104	0	78-121/10
76-13-1	Freon 113	20	21.0	105	20.1	101	4	60-132/17
87-68-3	Hexachlorobutadiene	20	21.1	106	20.5	103	3	69-127/11
67-63-0	Isopropyl Alcohol	400	435	109	462	116	6	52-148/15
74-83-9	Methyl bromide	20	18.0	90	18.3	92	2	66-123/10
74-87-3	Methyl chloride	20	17.8	89	18.2	91	2	50-138/19
75-09-2	Methylene chloride	20	19.5	98	20.0	100	3	65-124/14
100-42-5	Styrene	20	21.8	109	22.0	110	1	74-126/10
71-55-6	1,1,1-Trichloroethane	20	20.5	103	20.5	103	0	73-124/10
79-34-5	1,1,2,2-Tetrachloroethane	20	20.8	104	21.0	105	1	77-123/10
79-00-5	1,1,2-Trichloroethane	20	20.5	103	20.8	104	1	77-120/10
120-82-1	1,2,4-Trichlorobenzene	20	20.6	103	20.8	104	1	72-123/10
95-63-6	1,2,4-Trimethylbenzene	20	20.5	103	20.4	102	0	77-122/10
108-67-8	1,3,5-Trimethylbenzene	20	21.5	108	21.5	108	0	79-127/10
127-18-4	Tetrachloroethylene	20	20.5	103	20.2	101	1	71-124/10
108-88-3	Toluene	20	20.7	104	20.7	104	0	78-120/10
79-01-6	Trichloroethylene	20	20.4	102	19.8	99	3	75-119/10
75-69-4	Trichlorofluoromethane	20	19.6	98	20.1	101	3	67-129/14
75-01-4	Vinyl chloride	20	18.7	94	19.2	96	3	60-133/15

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C41034
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
VW2044-BS	W55389.D	1	08/04/15	JC	n/a	n/a	VW2044
VW2044-BSD	W55390.D	1	08/04/15	JC	n/a	n/a	VW2044

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

C41034-1, C41034-2, C41034-3, C41034-4, C41034-5, C41034-6, C41034-7, C41034-8, C41034-9, C41034-10, C41034-11, C41034-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	42.0	105	41.8	105	0	78-121/10
95-47-6	o-Xylene	20	20.5	103	20.5	103	0	77-123/10

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	99%	99%	78-125%
2037-26-5	Toluene-D8	99%	99%	86-114%
460-00-4	4-Bromofluorobenzene	99%	98%	80-113%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C41034
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
VW2045-BS	W55418.D	1	08/05/15	JC	n/a	n/a	VW2045
VW2045-BSD	W55419.D	1	08/05/15	JC	n/a	n/a	VW2045

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

C41034-13, C41034-14, C41034-15, C41034-16, C41034-17, C41034-18, C41034-19, C41034-20, C41034-21, C41034-22, C41034-23, C41034-24, C41034-26, C41034-27, C41034-28

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.2	101	20.2	101	0	77-118/10
108-90-7	Chlorobenzene	20	20.3	102	20.3	102	0	77-120/10
75-00-3	Chloroethane	20	16.1	81	16.2	81	1	63-117/10
67-66-3	Chloroform	20	20.2	101	19.9	100	1	74-123/10
56-23-5	Carbon tetrachloride	20	22.0	110	22.0	110	0	72-128/11
75-34-3	1,1-Dichloroethane	20	19.6	98	19.4	97	1	70-120/10
75-35-4	1,1-Dichloroethylene	20	21.1	106	21.5	108	2	65-120/11
106-93-4	1,2-Dibromoethane	20	21.1	106	20.6	103	2	78-123/10
107-06-2	1,2-Dichloroethane	20	21.0	105	20.1	101	4	72-123/10
78-87-5	1,2-Dichloropropane	20	20.1	101	20.0	100	0	76-119/10
75-71-8	Dichlorodifluoromethane	20	16.9	85	17.4	87	3	37-149/21
156-59-2	cis-1,2-Dichloroethylene	20	21.4	107	21.3	107	0	74-121/10
10061-01-5	cis-1,3-Dichloropropene	20	22.2	111	21.8	109	2	76-125/10
541-73-1	m-Dichlorobenzene	20	20.4	102	20.3	102	0	77-121/10
95-50-1	o-Dichlorobenzene	20	20.3	102	20.1	101	1	77-120/10
106-46-7	p-Dichlorobenzene	20	20.5	103	20.4	102	0	78-118/10
10061-02-6	trans-1,3-Dichloropropene	20	21.0	105	20.4	102	3	73-122/10
100-41-4	Ethylbenzene	20	20.5	103	20.8	104	1	78-121/10
76-13-1	Freon 113	20	21.8	109	21.5	108	1	60-132/17
87-68-3	Hexachlorobutadiene	20	21.0	105	21.9	110	4	69-127/11
67-63-0	Isopropyl Alcohol	400	413	103	427	107	3	52-148/15
74-83-9	Methyl bromide	20	17.9	90	17.9	90	0	66-123/10
74-87-3	Methyl chloride	20	17.8	89	17.7	89	1	50-138/19
75-09-2	Methylene chloride	20	19.6	98	19.4	97	1	65-124/14
100-42-5	Styrene	20	21.6	108	21.7	109	0	74-126/10
71-55-6	1,1,1-Trichloroethane	20	21.4	107	21.3	107	0	73-124/10
79-34-5	1,1,2,2-Tetrachloroethane	20	20.8	104	20.0	100	4	77-123/10
79-00-5	1,1,2-Trichloroethane	20	20.5	103	20.2	101	1	77-120/10
120-82-1	1,2,4-Trichlorobenzene	20	20.9	105	20.5	103	2	72-123/10
95-63-6	1,2,4-Trimethylbenzene	20	20.5	103	20.6	103	0	77-122/10
108-67-8	1,3,5-Trimethylbenzene	20	21.5	108	21.6	108	0	79-127/10
127-18-4	Tetrachloroethylene	20	20.3	102	20.6	103	1	71-124/10
108-88-3	Toluene	20	20.3	102	20.6	103	1	78-120/10
79-01-6	Trichloroethylene	20	20.4	102	20.4	102	0	75-119/10
75-69-4	Trichlorofluoromethane	20	19.6	98	20.3	102	4	67-129/14
75-01-4	Vinyl chloride	20	18.4	92	18.9	95	3	60-133/15

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C41034
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
VW2045-BS	W55418.D	1	08/05/15	JC	n/a	n/a	VW2045
VW2045-BSD	W55419.D	1	08/05/15	JC	n/a	n/a	VW2045

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

C41034-13, C41034-14, C41034-15, C41034-16, C41034-17, C41034-18, C41034-19, C41034-20, C41034-21, C41034-22, C41034-23, C41034-24, C41034-26, C41034-27, C41034-28

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	41.9	105	1	78-121/10
95-47-6	o-Xylene	20	20.4	102	20.4	102	0	77-123/10

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	100%	99%	78-125%
2037-26-5	Toluene-D8	99%	100%	86-114%
460-00-4	4-Bromofluorobenzene	101%	100%	80-113%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C41034
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
VW2046-BS	W55454.D	1	08/06/15	JC	n/a	n/a	VW2046
VW2046-BSD	W55455.D	1	08/06/15	JC	n/a	n/a	VW2046

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

C41034-25, C41034-29, C41034-30, C41034-31, C41034-32, C41034-33, C41034-34, C41034-35, C41034-36, C41034-37, C41034-38, C41034-39, C41034-40, C41034-41

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	20.2	101	0	77-118/10
108-90-7	Chlorobenzene	20	20.1	101	20.5	103	2	77-120/10
75-00-3	Chloroethane	20	15.6	78	16.2	81	4	63-117/10
67-66-3	Chloroform	20	20.0	100	20.2	101	1	74-123/10
56-23-5	Carbon tetrachloride	20	22.3	112	21.9	110	2	72-128/11
75-34-3	1,1-Dichloroethane	20	19.2	96	19.4	97	1	70-120/10
75-35-4	1,1-Dichloroethylene	20	21.2	106	21.1	106	0	65-120/11
106-93-4	1,2-Dibromoethane	20	20.7	104	21.0	105	1	78-123/10
107-06-2	1,2-Dichloroethane	20	20.6	103	20.6	103	0	72-123/10
78-87-5	1,2-Dichloropropane	20	19.9	100	20.0	100	1	76-119/10
75-71-8	Dichlorodifluoromethane	20	15.9	80	17.4	87	9	37-149/21
156-59-2	cis-1,2-Dichloroethylene	20	21.2	106	21.6	108	2	74-121/10
10061-01-5	cis-1,3-Dichloropropene	20	21.8	109	22.0	110	1	76-125/10
541-73-1	m-Dichlorobenzene	20	20.4	102	20.3	102	0	77-121/10
95-50-1	o-Dichlorobenzene	20	20.2	101	20.2	101	0	77-120/10
106-46-7	p-Dichlorobenzene	20	20.3	102	20.4	102	0	78-118/10
10061-02-6	trans-1,3-Dichloropropene	20	20.4	102	20.8	104	2	73-122/10
100-41-4	Ethylbenzene	20	20.5	103	20.8	104	1	78-121/10
76-13-1	Freon 113	20	22.5	113	21.8	109	3	60-132/17
87-68-3	Hexachlorobutadiene	20	21.1	106	21.3	107	1	69-127/11
67-63-0	Isopropyl Alcohol	400	401	100	406	102	1	52-148/15
74-83-9	Methyl bromide	20	17.8	89	17.9	90	1	66-123/10
74-87-3	Methyl chloride	20	17.3	87	17.2	86	1	50-138/19
75-09-2	Methylene chloride	20	19.5	98	19.6	98	1	65-124/14
100-42-5	Styrene	20	21.5	108	21.8	109	1	74-126/10
71-55-6	1,1,1-Trichloroethane	20	21.5	108	21.2	106	1	73-124/10
79-34-5	1,1,2,2-Tetrachloroethane	20	20.2	101	20.4	102	1	77-123/10
79-00-5	1,1,2-Trichloroethane	20	20.1	101	20.3	102	1	77-120/10
120-82-1	1,2,4-Trichlorobenzene	20	20.6	103	20.6	103	0	72-123/10
95-63-6	1,2,4-Trimethylbenzene	20	20.3	102	20.4	102	0	77-122/10
108-67-8	1,3,5-Trimethylbenzene	20	21.3	107	21.4	107	0	79-127/10
127-18-4	Tetrachloroethylene	20	20.4	102	20.6	103	1	71-124/10
108-88-3	Toluene	20	20.2	101	20.5	103	1	78-120/10
79-01-6	Trichloroethylene	20	20.4	102	20.3	102	0	75-119/10
75-69-4	Trichlorofluoromethane	20	19.0	95	20.7	104	9	67-129/14
75-01-4	Vinyl chloride	20	17.8	89	18.6	93	4	60-133/15

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C41034
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
VW2046-BS	W55454.D	1	08/06/15	JC	n/a	n/a	VW2046
VW2046-BSD	W55455.D	1	08/06/15	JC	n/a	n/a	VW2046

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

C41034-25, C41034-29, C41034-30, C41034-31, C41034-32, C41034-33, C41034-34, C41034-35, C41034-36, C41034-37, C41034-38, C41034-39, C41034-40, C41034-41

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	41.3	103	41.9	105	1	78-121/10
95-47-6	o-Xylene	20	20.1	101	20.6	103	2	77-123/10

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	99%	100%	78-125%
2037-26-5	Toluene-D8	98%	99%	86-114%
460-00-4	4-Bromofluorobenzene	100%	99%	80-113%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C41034
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
C40942-20MS	W55411.D	1	08/04/15	JC	n/a	n/a	VW2044
C40942-20MSD	W55420.D	1	08/05/15	JC	n/a	n/a	VW2044
C40942-20	W55398.D	1	08/04/15	JC	n/a	n/a	VW2044

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

C41034-1, C41034-2, C41034-3, C41034-4, C41034-5, C41034-6, C41034-7, C41034-8, C41034-9, C41034-10, C41034-11, C41034-12

CAS No.	Compound	C40942-20 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	22.5	113	20	21.9	110	3	77-118/10
108-90-7	Chlorobenzene	ND		20	22.2	111	20	21.8	109	2	77-120/10
75-00-3	Chloroethane	ND		20	18.4	92	20	18.0	90	2	63-117/10
67-66-3	Chloroform	ND		20	23.0	115	20	21.3	107	8	74-123/10
56-23-5	Carbon tetrachloride	ND		20	26.7	134* [a]	20	24.4	122	9	72-128/11
75-34-3	1,1-Dichloroethane	ND		20	22.2	111	20	21.2	106	5	70-120/10
75-35-4	1,1-Dichloroethylene	ND		20	24.8	124* [a]	20	24.1	121* [a]	3	65-120/11
106-93-4	1,2-Dibromoethane	ND		20	22.5	113	20	21.3	107	5	78-123/10
107-06-2	1,2-Dichloroethane	ND		20	23.6	118	20	20.8	104	13* [b]	72-123/10
78-87-5	1,2-Dichloropropane	ND		20	21.9	110	20	21.2	106	3	76-119/10
75-71-8	Dichlorodifluoromethane	ND		20	23.0	115	20	20.5	103	11	37-149/21
156-59-2	cis-1,2-Dichloroethylene	ND		20	23.5	118	20	22.8	114	3	74-121/10
10061-01-5	cis-1,3-Dichloropropene	ND		20	23.6	118	20	22.8	114	3	76-125/10
541-73-1	m-Dichlorobenzene	ND		20	21.8	109	20	21.9	110	0	77-121/10
95-50-1	o-Dichlorobenzene	ND		20	21.8	109	20	21.5	108	1	77-120/10
106-46-7	p-Dichlorobenzene	ND		20	21.9	110	20	21.8	109	0	78-118/10
10061-02-6	trans-1,3-Dichloropropene	ND		20	22.4	112	20	21.3	107	5	73-122/10
100-41-4	Ethylbenzene	ND		20	23.4	117	20	22.6	113	3	78-121/10
76-13-1	Freon 113	ND		20	25.2	126	20	24.6	123	2	60-132/17
87-68-3	Hexachlorobutadiene	ND		20	22.6	113	20	24.3	122	7	69-127/11
67-63-0	Isopropyl Alcohol	ND		400	350	88	400	413	103	17* [c]	52-148/15
74-83-9	Methyl bromide	ND		20	19.7	99	20	19.6	98	1	66-123/10
74-87-3	Methyl chloride	ND		20	20.2	101	20	19.6	98	3	50-138/19
75-09-2	Methylene chloride	ND		20	21.3	107	20	20.6	103	3	65-124/14
100-42-5	Styrene	ND		20	23.1	116	20	23.0	115	0	74-126/10
71-55-6	1,1,1-Trichloroethane	ND		20	25.5	128* [a]	20	23.1	116	10	73-124/10
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	21.8	109	20	20.8	104	5	77-123/10
79-00-5	1,1,2-Trichloroethane	ND		20	21.9	110	20	20.8	104	5	77-120/10
120-82-1	1,2,4-Trichlorobenzene	ND		20	21.5	108	20	21.9	110	2	72-123/10
95-63-6	1,2,4-Trimethylbenzene	ND		20	22.6	113	20	22.4	112	1	77-122/10
108-67-8	1,3,5-Trimethylbenzene	ND		20	23.7	119	20	23.6	118	0	79-127/10
127-18-4	Tetrachloroethylene	ND		20	22.8	114	20	22.8	114	0	71-124/10
108-88-3	Toluene	ND		20	22.8	114	20	22.2	111	3	78-120/10
79-01-6	Trichloroethylene	ND		20	23.1	116	20	22.2	111	4	75-119/10
75-69-4	Trichlorofluoromethane	ND		20	25.6	128	20	23.2	116	10	67-129/14
75-01-4	Vinyl chloride	ND		20	22.7	114	20	21.5	108	5	60-133/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C41034
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
C40942-20MS	W55411.D	1	08/04/15	JC	n/a	n/a	VW2044
C40942-20MSD	W55420.D	1	08/05/15	JC	n/a	n/a	VW2044
C40942-20	W55398.D	1	08/04/15	JC	n/a	n/a	VW2044

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

C41034-1, C41034-2, C41034-3, C41034-4, C41034-5, C41034-6, C41034-7, C41034-8, C41034-9, C41034-10, C41034-11, C41034-12

CAS No.	Compound	C40942-20 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	46.1	115	40	45.5	114	1	78-121/10
95-47-6	o-Xylene	ND		20	22.4	112	20	22.0	110	2	77-123/10

CAS No.	Surrogate Recoveries	MS	MSD	C40942-20	Limits
1868-53-7	Dibromofluoromethane	102%	99%	98%	78-125%
2037-26-5	Toluene-D8	99%	99%	100%	86-114%
460-00-4	4-Bromofluorobenzene	103%	98%	99%	80-113%

(a) Outside laboratory control limits. AZ:M1
(b) Outside laboratory control limits. AZ:R5
(c) Outside laboratory control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C41034
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
C41034-26MS	W55438.D	1	08/05/15	JC	n/a	n/a	VW2045
C41034-26MSD	W55439.D	1	08/05/15	JC	n/a	n/a	VW2045
C41034-26	W55437.D	1	08/05/15	JC	n/a	n/a	VW2045

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

C41034-26

CAS No.	Compound	C41034-26 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	22.4	112	20	21.5	108	4	77-118/10
108-90-7	Chlorobenzene	ND		20	21.9	110	20	21.3	107	3	77-120/10
75-00-3	Chloroethane	ND		20	18.1	91	20	17.7	89	2	63-117/10
67-66-3	Chloroform	ND		20	23.5	118	20	22.3	112	5	74-123/10
56-23-5	Carbon tetrachloride	ND		20	27.2	136* [a]	20	25.6	128	6	72-128/11
75-34-3	1,1-Dichloroethane	ND		20	22.3	112	20	21.3	107	5	70-120/10
75-35-4	1,1-Dichloroethylene	ND		20	23.9	120	20	23.3	117	3	65-120/11
106-93-4	1,2-Dibromoethane	ND		20	21.8	109	20	21.6	108	1	78-123/10
107-06-2	1,2-Dichloroethane	ND		20	23.8	119	20	22.6	113	5	72-123/10
78-87-5	1,2-Dichloropropane	ND		20	21.9	110	20	21.0	105	4	76-119/10
75-71-8	Dichlorodifluoromethane	ND		20	22.8	114	20	21.4	107	6	37-149/21
156-59-2	cis-1,2-Dichloroethylene	ND		20	23.7	119	20	22.6	113	5	74-121/10
10061-01-5	cis-1,3-Dichloropropene	ND		20	23.9	120	20	22.7	114	5	76-125/10
541-73-1	m-Dichlorobenzene	ND		20	21.8	109	20	21.0	105	4	77-121/10
95-50-1	o-Dichlorobenzene	ND		20	21.6	108	20	20.9	105	3	77-120/10
106-46-7	p-Dichlorobenzene	ND		20	21.8	109	20	21.2	106	3	78-118/10
10061-02-6	trans-1,3-Dichloropropene	ND		20	22.3	112	20	21.6	108	3	73-122/10
100-41-4	Ethylbenzene	ND		20	23.1	116	20	22.3	112	4	78-121/10
76-13-1	Freon 113	ND		20	25.5	128	20	23.8	119	7	60-132/17
87-68-3	Hexachlorobutadiene	ND		20	22.9	115	20	22.8	114	0	69-127/11
67-63-0	Isopropyl Alcohol	22.7	J	400	380	89	400	421	100	10	52-148/15
74-83-9	Methyl bromide	ND		20	19.5	98	20	19.2	96	2	66-123/10
74-87-3	Methyl chloride	ND		20	19.9	100	20	19.6	98	2	50-138/19
75-09-2	Methylene chloride	ND		20	20.9	105	20	20.5	103	2	65-124/14
100-42-5	Styrene	ND		20	23.2	116	20	22.6	113	3	74-126/10
71-55-6	1,1,1-Trichloroethane	ND		20	25.9	130* [a]	20	24.6	123	5	73-124/10
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	21.1	106	20	20.8	104	1	77-123/10
79-00-5	1,1,2-Trichloroethane	ND		20	21.4	107	20	20.7	104	3	77-120/10
120-82-1	1,2,4-Trichlorobenzene	ND		20	21.0	105	20	20.9	105	0	72-123/10
95-63-6	1,2,4-Trimethylbenzene	ND		20	22.7	114	20	21.7	109	5	77-122/10
108-67-8	1,3,5-Trimethylbenzene	ND		20	23.8	119	20	22.7	114	5	79-127/10
127-18-4	Tetrachloroethylene	ND		20	22.6	113	20	21.9	110	3	71-124/10
108-88-3	Toluene	ND		20	22.4	112	20	21.6	108	4	78-120/10
79-01-6	Trichloroethylene	ND		20	23.2	116	20	22.4	112	4	75-119/10
75-69-4	Trichlorofluoromethane	ND		20	26.1	131* [a]	20	24.5	123	6	67-129/14
75-01-4	Vinyl chloride	ND		20	22.1	111	20	21.2	106	4	60-133/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C41034
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
C41034-26MS	W55438.D	1	08/05/15	JC	n/a	n/a	VW2045
C41034-26MSD	W55439.D	1	08/05/15	JC	n/a	n/a	VW2045
C41034-26	W55437.D	1	08/05/15	JC	n/a	n/a	VW2045

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

C41034-26

CAS No.	Compound	C41034-26 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	45.5	114	40	44.3	111	3	78-121/10
95-47-6	o-Xylene	ND		20	22.2	111	20	21.4	107	4	77-123/10

CAS No.	Surrogate Recoveries	MS	MSD	C41034-26	Limits
1868-53-7	Dibromofluoromethane	104%	104%	102%	78-125%
2037-26-5	Toluene-D8	98%	100%	102%	86-114%
460-00-4	4-Bromofluorobenzene	103%	102%	102%	80-113%

(a) Outside laboratory control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C41034
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
C41034-15MS	W55440.D	1	08/05/15	JC	n/a	n/a	VW2045
C41034-15MSD	W55441.D	1	08/05/15	JC	n/a	n/a	VW2045
C41034-15	W55427.D	1	08/05/15	JC	n/a	n/a	VW2045

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

C41034-13, C41034-14, C41034-15, C41034-16, C41034-17, C41034-18, C41034-19, C41034-20, C41034-21, C41034-22, C41034-23, C41034-24, C41034-27, C41034-28

CAS No.	Compound	C41034-15 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	22.2	111	20	21.6	108	3	77-118/10
108-90-7	Chlorobenzene	ND		20	21.8	109	20	21.7	109	0	77-120/10
75-00-3	Chloroethane	ND		20	17.9	90	20	17.9	90	0	63-117/10
67-66-3	Chloroform	ND		20	22.3	112	20	21.9	110	2	74-123/10
56-23-5	Carbon tetrachloride	ND		20	26.2	131* [a]	20	25.3	127	3	72-128/11
75-34-3	1,1-Dichloroethane	ND		20	21.6	108	20	21.2	106	2	70-120/10
75-35-4	1,1-Dichloroethylene	ND		20	24.2	121* [a]	20	23.9	120	1	65-120/11
106-93-4	1,2-Dibromoethane	ND		20	22.0	110	20	22.0	110	0	78-123/10
107-06-2	1,2-Dichloroethane	ND		20	22.9	115	20	22.0	110	4	72-123/10
78-87-5	1,2-Dichloropropane	ND		20	21.6	108	20	21.0	105	3	76-119/10
75-71-8	Dichlorodifluoromethane	ND		20	22.4	112	20	21.6	108	4	37-149/21
156-59-2	cis-1,2-Dichloroethylene	ND		20	23.2	116	20	23.0	115	1	74-121/10
10061-01-5	cis-1,3-Dichloropropene	ND		20	23.3	117	20	22.6	113	3	76-125/10
541-73-1	m-Dichlorobenzene	ND		20	21.5	108	20	21.2	106	1	77-121/10
95-50-1	o-Dichlorobenzene	ND		20	21.7	109	20	21.2	106	2	77-120/10
106-46-7	p-Dichlorobenzene	ND		20	21.7	109	20	21.4	107	1	78-118/10
10061-02-6	trans-1,3-Dichloropropene	ND		20	21.9	110	20	21.5	108	2	73-122/10
100-41-4	Ethylbenzene	ND		20	22.6	113	20	22.4	112	1	78-121/10
76-13-1	Freon 113	ND		20	25.1	126	20	25.3	127	1	60-132/17
87-68-3	Hexachlorobutadiene	ND		20	23.4	117	20	22.9	115	2	69-127/11
67-63-0	Isopropyl Alcohol	14.8	J	400	446	108	400	440	106	1	52-148/15
74-83-9	Methyl bromide	ND		20	19.6	98	20	19.3	97	2	66-123/10
74-87-3	Methyl chloride	ND		20	19.9	100	20	19.5	98	2	50-138/19
75-09-2	Methylene chloride	ND		20	21.1	106	20	20.7	104	2	65-124/14
100-42-5	Styrene	ND		20	23.0	115	20	22.9	115	0	74-126/10
71-55-6	1,1,1-Trichloroethane	ND		20	24.9	125* [a]	20	24.4	122	2	73-124/10
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	21.7	109	20	21.2	106	2	77-123/10
79-00-5	1,1,2-Trichloroethane	ND		20	21.4	107	20	21.2	106	1	77-120/10
120-82-1	1,2,4-Trichlorobenzene	ND		20	21.7	109	20	21.4	107	1	72-123/10
95-63-6	1,2,4-Trimethylbenzene	ND		20	22.2	111	20	21.7	109	2	77-122/10
108-67-8	1,3,5-Trimethylbenzene	ND		20	23.3	117	20	22.8	114	2	79-127/10
127-18-4	Tetrachloroethylene	ND		20	22.4	112	20	22.5	113	0	71-124/10
108-88-3	Toluene	ND		20	22.1	111	20	21.8	109	1	78-120/10
79-01-6	Trichloroethylene	ND		20	22.8	114	20	22.1	111	3	75-119/10
75-69-4	Trichlorofluoromethane	ND		20	24.8	124	20	24.6	123	1	67-129/14
75-01-4	Vinyl chloride	ND		20	21.6	108	20	21.6	108	0	60-133/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C41034
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
C41034-15MS	W55440.D	1	08/05/15	JC	n/a	n/a	VW2045
C41034-15MSD	W55441.D	1	08/05/15	JC	n/a	n/a	VW2045
C41034-15	W55427.D	1	08/05/15	JC	n/a	n/a	VW2045

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

C41034-13, C41034-14, C41034-15, C41034-16, C41034-17, C41034-18, C41034-19, C41034-20, C41034-21, C41034-22, C41034-23, C41034-24, C41034-27, C41034-28

CAS No.	Compound	C41034-15 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	45.3	113	40	44.8	112	1	78-121/10
95-47-6	o-Xylene	ND		20	22.1	111	20	21.8	109	1	77-123/10

CAS No.	Surrogate Recoveries	MS	MSD	C41034-15	Limits
1868-53-7	Dibromofluoromethane	102%	102%	98%	78-125%
2037-26-5	Toluene-D8	99%	100%	101%	86-114%
460-00-4	4-Bromofluorobenzene	102%	102%	101%	80-113%

(a) Outside laboratory control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C41034
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
C41034-40MS	W55474.D	1	08/06/15	JC	n/a	n/a	VW2046
C41034-40MSD	W55475.D	1	08/06/15	JC	n/a	n/a	VW2046
C41034-40	W55470.D	1	08/06/15	JC	n/a	n/a	VW2046

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

C41034-40

CAS No.	Compound	C41034-40 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	20.1	101	20	20.6	103	2	77-118/10
108-90-7	Chlorobenzene	ND		20	20.3	102	20	20.7	104	2	77-120/10
75-00-3	Chloroethane	ND		20	15.9	80	20	16.5	83	4	63-117/10
67-66-3	Chloroform	ND		20	20.7	104	20	21.1	106	2	74-123/10
56-23-5	Carbon tetrachloride	ND		20	24.8	124	20	25.2	126	2	72-128/11
75-34-3	1,1-Dichloroethane	ND		20	19.5	98	20	20.1	101	3	70-120/10
75-35-4	1,1-Dichloroethylene	ND		20	20.6	103	20	21.9	110	6	65-120/11
106-93-4	1,2-Dibromoethane	ND		20	20.8	104	20	21.3	107	2	78-123/10
107-06-2	1,2-Dichloroethane	ND		20	22.0	110	20	22.2	111	1	72-123/10
78-87-5	1,2-Dichloropropane	ND		20	19.4	97	20	20.0	100	3	76-119/10
75-71-8	Dichlorodifluoromethane	ND		20	19.5	98	20	19.9	100	2	37-149/21
156-59-2	cis-1,2-Dichloroethylene	ND		20	20.6	103	20	21.5	108	4	74-121/10
10061-01-5	cis-1,3-Dichloropropene	ND		20	19.7	99	20	20.1	101	2	76-125/10
541-73-1	m-Dichlorobenzene	ND		20	19.6	98	20	19.9	100	2	77-121/10
95-50-1	o-Dichlorobenzene	ND		20	19.5	98	20	20.2	101	4	77-120/10
106-46-7	p-Dichlorobenzene	ND		20	19.6	98	20	20.2	101	3	78-118/10
10061-02-6	trans-1,3-Dichloropropene	ND		20	19.2	96	20	19.5	98	2	73-122/10
100-41-4	Ethylbenzene	ND		20	21.4	107	20	21.7	109	1	78-121/10
76-13-1	Freon 113	ND		20	21.2	106	20	22.0	110	4	60-132/17
87-68-3	Hexachlorobutadiene	ND		20	19.3	97	20	20.7	104	7	69-127/11
67-63-0	Isopropyl Alcohol	ND		400	370	93	400	406	102	9	52-148/15
74-83-9	Methyl bromide	ND		20	17.0	85	20	17.6	88	3	66-123/10
74-87-3	Methyl chloride	ND		20	18.1	91	20	18.4	92	2	50-138/19
75-09-2	Methylene chloride	ND		20	18.5	93	20	19.3	97	4	65-124/14
100-42-5	Styrene	ND		20	21.4	107	20	21.9	110	2	74-126/10
71-55-6	1,1,1-Trichloroethane	ND		20	23.0	115	20	23.9	120	4	73-124/10
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	19.5	98	20	20.4	102	5	77-123/10
79-00-5	1,1,2-Trichloroethane	ND		20	19.9	100	20	20.6	103	3	77-120/10
120-82-1	1,2,4-Trichlorobenzene	ND		20	18.7	94	20	19.8	99	6	72-123/10
95-63-6	1,2,4-Trimethylbenzene	ND		20	20.2	101	20	20.7	104	2	77-122/10
108-67-8	1,3,5-Trimethylbenzene	ND		20	21.3	107	20	21.7	109	2	79-127/10
127-18-4	Tetrachloroethylene	ND		20	20.8	104	20	20.7	104	0	71-124/10
108-88-3	Toluene	ND		20	20.7	104	20	21.1	106	2	78-120/10
79-01-6	Trichloroethylene	ND		20	20.9	105	20	21.3	107	2	75-119/10
75-69-4	Trichlorofluoromethane	ND		20	22.9	115	20	23.4	117	2	67-129/14
75-01-4	Vinyl chloride	ND		20	19.0	95	20	19.6	98	3	60-133/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C41034
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
C41034-40MS	W55474.D	1	08/06/15	JC	n/a	n/a	VW2046
C41034-40MSD	W55475.D	1	08/06/15	JC	n/a	n/a	VW2046
C41034-40	W55470.D	1	08/06/15	JC	n/a	n/a	VW2046

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

C41034-40

CAS No.	Compound	C41034-40 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	42.0	105	40	42.9	107	2	78-121/10
95-47-6	o-Xylene	ND		20	20.4	102	20	21.1	106	3	77-123/10

CAS No.	Surrogate Recoveries	MS	MSD	C41034-40	Limits
1868-53-7	Dibromofluoromethane	99%	100%	97%	78-125%
2037-26-5	Toluene-D8	98%	98%	100%	86-114%
460-00-4	4-Bromofluorobenzene	101%	99%	99%	80-113%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C41034
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
C41034-34MS	W55476.D	1	08/06/15	JC	n/a	n/a	VW2046
C41034-34MSD	W55477.D	1	08/06/15	JC	n/a	n/a	VW2046
C41034-34	W55464.D	1	08/06/15	JC	n/a	n/a	VW2046

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

C41034-25, C41034-29, C41034-30, C41034-31, C41034-32, C41034-33, C41034-34, C41034-35, C41034-36, C41034-37, C41034-38, C41034-39, C41034-41

CAS No.	Compound	C41034-34 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	20.1	101	20	20.1	101	0	77-118/10
108-90-7	Chlorobenzene	ND		20	20.4	102	20	20.5	103	0	77-120/10
75-00-3	Chloroethane	ND		20	16.0	80	20	15.9	80	1	63-117/10
67-66-3	Chloroform	ND		20	20.6	103	20	20.2	101	2	74-123/10
56-23-5	Carbon tetrachloride	ND		20	24.3	122	20	24.0	120	1	72-128/11
75-34-3	1,1-Dichloroethane	ND		20	19.5	98	20	19.1	96	2	70-120/10
75-35-4	1,1-Dichloroethylene	ND		20	21.6	108	20	21.6	108	0	65-120/11
106-93-4	1,2-Dibromoethane	ND		20	20.3	102	20	20.7	104	2	78-123/10
107-06-2	1,2-Dichloroethane	ND		20	21.0	105	20	20.7	104	1	72-123/10
78-87-5	1,2-Dichloropropane	ND		20	19.5	98	20	19.4	97	1	76-119/10
75-71-8	Dichlorodifluoromethane	ND		20	20.6	103	20	19.8	99	4	37-149/21
156-59-2	cis-1,2-Dichloroethylene	ND		20	20.8	104	20	20.7	104	0	74-121/10
10061-01-5	cis-1,3-Dichloropropene	ND		20	21.1	106	20	20.9	105	1	76-125/10
541-73-1	m-Dichlorobenzene	ND		20	20.1	101	20	20.1	101	0	77-121/10
95-50-1	o-Dichlorobenzene	ND		20	20.0	100	20	20.0	100	0	77-120/10
106-46-7	p-Dichlorobenzene	ND		20	20.1	101	20	20.3	102	1	78-118/10
10061-02-6	trans-1,3-Dichloropropene	ND		20	20.2	101	20	20.2	101	0	73-122/10
100-41-4	Ethylbenzene	ND		20	21.4	107	20	21.4	107	0	78-121/10
76-13-1	Freon 113	ND		20	23.0	115	20	22.7	114	1	60-132/17
87-68-3	Hexachlorobutadiene	ND		20	21.7	109	20	21.9	110	1	69-127/11
67-63-0	Isopropyl Alcohol	ND		400	396	99	400	408	102	3	52-148/15
74-83-9	Methyl bromide	ND		20	17.5	88	20	17.3	87	1	66-123/10
74-87-3	Methyl chloride	ND		20	17.8	89	20	17.6	88	1	50-138/19
75-09-2	Methylene chloride	ND		20	18.7	94	20	18.6	93	1	65-124/14
100-42-5	Styrene	ND		20	21.7	109	20	21.7	109	0	74-126/10
71-55-6	1,1,1-Trichloroethane	ND		20	22.8	114	20	22.3	112	2	73-124/10
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	19.5	98	20	19.9	100	2	77-123/10
79-00-5	1,1,2-Trichloroethane	ND		20	19.7	99	20	20.1	101	2	77-120/10
120-82-1	1,2,4-Trichlorobenzene	ND		20	19.8	99	20	19.9	100	1	72-123/10
95-63-6	1,2,4-Trimethylbenzene	ND		20	20.7	104	20	20.6	103	0	77-122/10
108-67-8	1,3,5-Trimethylbenzene	ND		20	21.8	109	20	21.7	109	0	79-127/10
127-18-4	Tetrachloroethylene	ND		20	21.3	107	20	21.4	107	0	71-124/10
108-88-3	Toluene	ND		20	20.8	104	20	20.9	105	0	78-120/10
79-01-6	Trichloroethylene	ND		20	20.8	104	20	20.7	104	0	75-119/10
75-69-4	Trichlorofluoromethane	ND		20	22.8	114	20	22.5	113	1	67-129/14
75-01-4	Vinyl chloride	ND		20	19.3	97	20	19.0	95	2	60-133/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C41034
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
C41034-34MS	W55476.D	1	08/06/15	JC	n/a	n/a	VW2046
C41034-34MSD	W55477.D	1	08/06/15	JC	n/a	n/a	VW2046
C41034-34	W55464.D	1	08/06/15	JC	n/a	n/a	VW2046

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

C41034-25, C41034-29, C41034-30, C41034-31, C41034-32, C41034-33, C41034-34, C41034-35, C41034-36, C41034-37, C41034-38, C41034-39, C41034-41

CAS No.	Compound	C41034-34 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	78-121/10
95-47-6	o-Xylene	ND		20	20.8	104	20	20.7	104	0	77-123/10

CAS No.	Surrogate Recoveries	MS	MSD	C41034-34	Limits
1868-53-7	Dibromofluoromethane	100%	96%	98%	78-125%
2037-26-5	Toluene-D8	98%	98%	99%	86-114%
460-00-4	4-Bromofluorobenzene	100%	99%	100%	80-113%

* = 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: C41034
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	GP8181/GN17046	3.0	0.0	ug/l	25	25.7	102.8	85-115%
Perchlorate	GP8191/GN17059	3.0	0.0	ug/l	25	26.1	104.4	85-115%
Perchlorate	GP8192/GN17061	3.0	0.0	ug/l	25	23.1	92.4	85-115%
Perchlorate	GP8206/GN17091	3.0	0.0	ug/l	25	23.2	92.8	85-115%
Specific Conductivity	GN16996	1.0	0.0	umhos/cm				
Specific Conductivity	GN16997	1.0	0.0	umhos/cm				
Specific Conductivity	GN16999	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP8181: C41034-1, C41034-2, C41034-3, C41034-4, C41034-5, C41034-6, C41034-7, C41034-8
Batch GP8191: C41034-9, C41034-10, C41034-11, C41034-12, C41034-14, C41034-15, C41034-16, C41034-17, C41034-18, C41034-21, C41034-22, C41034-23, C41034-24, C41034-25, C41034-26, C41034-27, C41034-29, C41034-30
Batch GP8192: C41034-31, C41034-32, C41034-33, C41034-34, C41034-35, C41034-36, C41034-37, C41034-38, C41034-39, C41034-40, C41034-41
Batch GP8206: C41034-19, C41034-20
Batch GN16996: C41034-1, C41034-2, C41034-3, C41034-4, C41034-5, C41034-6, C41034-7
Batch GN16997: C41034-8, C41034-9, C41034-10, C41034-11, C41034-12, C41034-14, C41034-15, C41034-16, C41034-17, C41034-18, C41034-19, C41034-20, C41034-21, C41034-22, C41034-23, C41034-24, C41034-25, C41034-26, C41034-27, C41034-29
Batch GN16999: C41034-30, C41034-31, C41034-32, C41034-33, C41034-34, C41034-35, C41034-36, C41034-37, C41034-38, C41034-39, C41034-40, C41034-41
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C41034
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	GP8181/GN17046	ug/l	25	25.8	0.4	
Perchlorate	GP8191/GN17059	ug/l	25	26.4	1.1	
Perchlorate	GP8192/GN17061	ug/l	25	23.6	2.1	
Perchlorate	GP8206/GN17091	ug/l	25	22.0	5.3	

Associated Samples:
Batch GP8181: C41034-1, C41034-2, C41034-3, C41034-4, C41034-5, C41034-6, C41034-7, C41034-8
Batch GP8191: C41034-9, C41034-10, C41034-11, C41034-12, C41034-14, C41034-15, C41034-16, C41034-17, C41034-18, C41034-21, C41034-22, C41034-23, C41034-24, C41034-25, C41034-26, C41034-27, C41034-29, C41034-30
Batch GP8192: C41034-31, C41034-32, C41034-33, C41034-34, C41034-35, C41034-36, C41034-37, C41034-38, C41034-39, C41034-40, C41034-41
Batch GP8206: C41034-19, C41034-20
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C41034
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	GN16996	C40942-20	umhos/cm	410	416	1.5	0-10%
Specific Conductivity	GN16997	C41034-15	umhos/cm	261	261	0.0	0-10%
Specific Conductivity	GN16997	C41034-26	umhos/cm	597	610	2.2	0-10%
Specific Conductivity	GN16999	C41034-34	umhos/cm	481	483	0.4	0-10%
Specific Conductivity	GN16999	C41034-40	umhos/cm	398	396	0.5	0-10%

Associated Samples:
Batch GN16996: C41034-1, C41034-2, C41034-3, C41034-4, C41034-5, C41034-6, C41034-7
Batch GN16997: C41034-8, C41034-9, C41034-10, C41034-11, C41034-12, C41034-14, C41034-15, C41034-16, C41034-17, C41034-18, C41034-19, C41034-20, C41034-21, C41034-22, C41034-23, C41034-24, C41034-25, C41034-26, C41034-27, C41034-29
Batch GN16999: C41034-30, C41034-31, C41034-32, C41034-33, C41034-34, C41034-35, C41034-36, C41034-37, C41034-38, C41034-39, C41034-40, C41034-41
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C41034
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	GP8181/GN17046	C40942-20	ug/l	86.8	125	217	101.7	80-120%
Perchlorate	GP8191/GN17059	C41034-15	ug/l	0.97	25	24.6	94.5	80-120%
Perchlorate	GP8191/GN17059	C41034-26	ug/l	7.2	25	33.4	104.8	80-120%
Perchlorate	GP8192/GN17061	C41034-34	ug/l	2.5	25	27.2	98.8	80-120%
Perchlorate	GP8192/GN17061	C41034-40	ug/l	9.4	25	37.1	110.8	80-120%
Perchlorate	GP8206/GN17091	C41193-9	ug/l	0.65 U	25	23.4	93.6	80-120%

Associated Samples:
Batch GP8181: C41034-1, C41034-2, C41034-3, C41034-4, C41034-5, C41034-6, C41034-7, C41034-8
Batch GP8191: C41034-9, C41034-10, C41034-11, C41034-12, C41034-14, C41034-15, C41034-16, C41034-17, C41034-18, C41034-21, C41034-22, C41034-23, C41034-24, C41034-25, C41034-26, C41034-27, C41034-29, C41034-30
Batch GP8192: C41034-31, C41034-32, C41034-33, C41034-34, C41034-35, C41034-36, C41034-37, C41034-38, C41034-39, C41034-40, C41034-41
Batch GP8206: C41034-19, C41034-20
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C41034
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	GP8181/GN17046	C40942-20	ug/l	86.8	125	227	4.5	15%
Perchlorate	GP8191/GN17059	C41034-15	ug/l	0.97	25	26.0	5.5	15%
Perchlorate	GP8191/GN17059	C41034-26	ug/l	7.2	25	32.6	2.4	15%
Perchlorate	GP8192/GN17061	C41034-34	ug/l	2.5	25	28.0	2.9	15%
Perchlorate	GP8192/GN17061	C41034-40	ug/l	9.4	25	36.2	2.5	15%
Perchlorate	GP8206/GN17091	C41193-9	ug/l	0.65 U	25	23.4	0.0	15%

Associated Samples:
Batch GP8181: C41034-1, C41034-2, C41034-3, C41034-4, C41034-5, C41034-6, C41034-7, C41034-8
Batch GP8191: C41034-9, C41034-10, C41034-11, C41034-12, C41034-14, C41034-15, C41034-16, C41034-17, C41034-18, C41034-21, C41034-22, C41034-23, C41034-24, C41034-25, C41034-26, C41034-27, C41034-29, C41034-30
Batch GP8192: C41034-31, C41034-32, C41034-33, C41034-34, C41034-35, C41034-36, C41034-37, C41034-38, C41034-39, C41034-40, C41034-41
Batch GP8206: C41034-19, C41034-20
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
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LABORATORIES

08/21/15

Technical Report for

United Technology Corporation

ENSTNM: UTC RFF Superfund Site - Rialto, CA

0888817231

Accutest Job Number: C41111

Sampling Dates: 08/03/15 - 08/05/15

Report to:

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Total number of pages in report: **134**

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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Sample Summary

United Technology Corporation

Job No: C41111

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 0888817231

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C41111-1	08/04/15	09:25		08/06/15	AQ	Ground Water	PW9G808
C41111-2	08/04/15	09:45		08/06/15	AQ	Ground Water	PW9G718
C41111-3	08/04/15	10:15		08/06/15	AQ	Ground Water	PW9G648
C41111-4	08/04/15	10:45		08/06/15	AQ	Ground Water	PW9G562
C41111-5	08/04/15	11:00		08/06/15	AQ	Ground Water	PW9G482
C41111-6	08/04/15	11:25		08/06/15	AQ	Ground Water	PW9G412
C41111-7	08/04/15	11:45		08/06/15	AQ	Equipment Blank	EB1080415
C41111-8	08/04/15	13:55		08/06/15	AQ	Ground Water	CPW17G712
C41111-9	08/04/15	14:20		08/06/15	AQ	Ground Water	CPW17G612
C41111-10	08/04/15	14:45		08/06/15	AQ	Ground Water	CPW17G563
C41111-11	08/04/15	15:10		08/06/15	AQ	Ground Water	CPW17G503
C41111-12	08/04/15	15:30		08/06/15	AQ	Ground Water	CPW17G413
C41111-13	08/04/15	15:50		08/06/15	AQ	Ground Water	CPW17G313

Sample Summary
(continued)

United Technology Corporation

Job No: C41111

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 0888817231

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C41111-14	08/04/15	15:50		08/06/15	AQ	Ground Water	CPW17H313
C41111-15	08/04/15	08:00		08/06/15	AQ	Trip Blank Water	TB1080415
C41111-16	08/05/15	08:55		08/06/15	AQ	Ground Water	5W13B2G685
C41111-17	08/05/15	09:30		08/06/15	AQ	Ground Water	5W13B4G430
C41111-18	08/05/15	09:45		08/06/15	AQ	Ground Water	5W13B5G280
C41111-19	08/05/15	09:45		08/06/15	AQ	Ground Water	5W13B5H280
C41111-20	08/05/15	10:40		08/06/15	AQ	Ground Water	4W8E1G980
C41111-21	08/05/15	11:35		08/06/15	AQ	Ground Water	4W8E3G587
C41111-22	08/05/15	11:45		08/06/15	AQ	Ground Water	4W8E4G320
C41111-23	08/05/15	12:50		08/06/15	AQ	Ground Water	5W11F3G432
C41111-24	08/05/15	13:00		08/06/15	AQ	Ground Water	5W11F4G320
C41111-25	08/05/15	13:35		08/06/15	AQ	Ground Water	5W3A5G670
C41111-26	08/05/15	13:50		08/06/15	AQ	Ground Water	5W3A6G6510

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Sample Summary
(continued)

United Technology Corporation

Job No: C41111

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 0888817231

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C41111-27	08/05/15	14:00		08/06/15	AQ	Ground Water	5W3A7G410
C41111-28	08/04/15	10:30		08/06/15	AQ	Ground Water	5W3A6G510B
C41111-29	08/03/15	13:15		08/06/15	AQ	Ground Water	4W8E3G587B
C41111-30	08/04/15	09:48		08/06/15	AQ	Ground Water	5W11F4G320B
C41111-31	08/05/15	08:00		08/06/15	AQ	Trip Blank Water	TB1080515

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C41111
Site:	ENSTNM: UTC RFF Superfund Site - Rialto, CA	**Report Date**	8/21/2015 3:03:52 AM

29 Sample(s), 2 Trip Blank(s) and 0 Field Blank(s) were collected between 08/03/2015 and 08/05/2015 and were received at Accutest on 08/06/2015 properly preserved, at 4.5 Deg. C and intact. These Samples received an Accutest job number of C41111. 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:** VW2048

- Sample(s) C41111-1MS, C41111-1MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** VW2049

- Sample(s) D73209-2MS, D73209-2MSD were used as the QC samples indicated.
- RPD(s) for MSD for Isopropyl Alcohol are outside laboratory control limits for sample D73209-2MSD.
- C41111-20: (pH=7) Sample pH did not satisfy field preservation criteria. Sample was analyzed within 7 day holding time.

Matrix: AQ **Batch ID:** VW2050

- Sample(s) C41150-3MS, C41150-3MSD were used as the QC samples indicated.
- RPD(s) for MSD for Isopropyl Alcohol are outside laboratory control limits for sample C41150-3MSD.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP8192

- Sample(s) C41034-34MS, C41034-34MSD were used as the QC samples for Perchlorate.

Matrix: AQ **Batch ID:** GP8209

- Sample(s) C41077-16MSD, C41077-16MS were used as the QC samples for Perchlorate.
- Matrix Spike Recovery(s) for Perchlorate are outside control limits. Spike recovery outside of acceptable QC criteria due to matrix inteference. However, LCS/LCSD is within control limits.
- RPD for MSD for Perchlorate is outside laboratory control limits for sample GP8209-S2.

Matrix: AQ **Batch ID:** GP8213

- Sample(s) C41111-13MS, C41111-13MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM2510 B-97

Matrix: AQ **Batch ID:** GN17055

- Sample(s) C41077-3DUP were used as the QC samples for Specific Conductivity.

Matrix: AQ **Batch ID:** GN17096

- Sample(s) C41111-11DUP were used as the QC samples for Specific Conductivity.

Matrix: AQ **Batch ID:** GN17098

- Sample(s) C41111-19DUP 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: C41111
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 08/03/15 thru 08/05/15

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C41111-1	**PW9G808**					
Isopropyl Alcohol		7.1 J	100	5.0	ug/l	SW846 8260B
Trichloroethylene		4.8	1.0	0.20	ug/l	SW846 8260B
Perchlorate		282	10	6.5	ug/l	EPA 314
Specific Conductivity		354	1.0	1.0	umhos/cm	SM2510 B-97
C41111-2	**PW9G718**					
Isopropyl Alcohol		24.3 J	100	5.0	ug/l	SW846 8260B
Trichloroethylene		3.5	1.0	0.20	ug/l	SW846 8260B
Perchlorate		241	10	6.5	ug/l	EPA 314
Specific Conductivity		290	1.0	1.0	umhos/cm	SM2510 B-97
C41111-3	**PW9G648**					
Isopropyl Alcohol		12.4 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		288	1.0	1.0	umhos/cm	SM2510 B-97
C41111-4	**PW9G562**					
Trichloroethylene		0.49 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		28.8	1.0	0.65	ug/l	EPA 314
Specific Conductivity		186	1.0	1.0	umhos/cm	SM2510 B-97
C41111-5	**PW9G482**					
Chloroform		0.21 J	1.0	0.20	ug/l	SW846 8260B
Isopropyl Alcohol		14.5 J	100	5.0	ug/l	SW846 8260B
Trichloroethylene		14.4	1.0	0.20	ug/l	SW846 8260B
Perchlorate		668	20	13	ug/l	EPA 314
Specific Conductivity		328	1.0	1.0	umhos/cm	SM2510 B-97
C41111-6	**PW9G412**					
Perchlorate		8.3	1.0	0.65	ug/l	EPA 314
Specific Conductivity		257	1.0	1.0	umhos/cm	SM2510 B-97
C41111-7	**EB1080415**					
Isopropyl Alcohol		7.6 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		1.2	1.0	1.0	umhos/cm	SM2510 B-97

Summary of Hits

Job Number: C41111
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 08/03/15 thru 08/05/15

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C41111-8	**CPW17G712**					
Isopropyl Alcohol		5.8 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		230	1.0	1.0	umhos/cm	SM2510 B-97
C41111-9	**CPW17G612**					
Isopropyl Alcohol		16.7 J	100	5.0	ug/l	SW846 8260B
Perchlorate		1.3	1.0	0.65	ug/l	EPA 314
Specific Conductivity		258	1.0	1.0	umhos/cm	SM2510 B-97
C41111-10	**CPW17G563**					
Isopropyl Alcohol		32.6 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		275	1.0	1.0	umhos/cm	SM2510 B-97
C41111-11	**CPW17G503**					
Isopropyl Alcohol		17.5 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		301	1.0	1.0	umhos/cm	SM2510 B-97
C41111-12	**CPW17G413**					
Isopropyl Alcohol		10.1 J	100	5.0	ug/l	SW846 8260B
Perchlorate		1.3	1.0	0.65	ug/l	EPA 314
Specific Conductivity		268	1.0	1.0	umhos/cm	SM2510 B-97
C41111-13	**CPW17G313**					
Isopropyl Alcohol		6.8 J	100	5.0	ug/l	SW846 8260B
Perchlorate		3.2	1.0	0.65	ug/l	EPA 314
Specific Conductivity		357	1.0	1.0	umhos/cm	SM2510 B-97
C41111-14	**CPW17H313**					
Isopropyl Alcohol		22.8 J	100	5.0	ug/l	SW846 8260B
Perchlorate		3.0	1.0	0.65	ug/l	EPA 314
Specific Conductivity		356	1.0	1.0	umhos/cm	SM2510 B-97
C41111-15	**TB1080415**					
Isopropyl Alcohol		6.2 J	100	5.0	ug/l	SW846 8260B

Summary of Hits

Job Number: C41111
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 08/03/15 thru 08/05/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C41111-16	**5W13B2G685**					
Isopropyl Alcohol		5.8 J	100	5.0	ug/l	SW846 8260B
Perchlorate		1.4	1.0	0.65	ug/l	EPA 314
Specific Conductivity		321	1.0	1.0	umhos/cm	SM2510 B-97
C41111-17	**5W13B4G430**					
Perchlorate		3.8	1.0	0.65	ug/l	EPA 314
Specific Conductivity		400	1.0	1.0	umhos/cm	SM2510 B-97
C41111-18	**5W13B5G280**					
1,2-Dichloroethane		0.35 J	1.0	0.20	ug/l	SW846 8260B
Tetrachloroethylene		0.52 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		1.2	1.0	0.65	ug/l	EPA 314
Specific Conductivity		468	1.0	1.0	umhos/cm	SM2510 B-97
C41111-19	**5W13B5H280**					
1,2-Dichloroethane		0.33 J	1.0	0.20	ug/l	SW846 8260B
Tetrachloroethylene		0.63 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		1.1	1.0	0.65	ug/l	EPA 314
Specific Conductivity		471	1.0	1.0	umhos/cm	SM2510 B-97
C41111-20	**4W8E1G980**					
Specific Conductivity		435	1.0	1.0	umhos/cm	SM2510 B-97
C41111-21	**4W8E3G587**					
Specific Conductivity		369	1.0	1.0	umhos/cm	SM2510 B-97
C41111-22	**4W8E4G320**					
1,2-Dichloroethane		0.30 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		1.7	1.0	0.65	ug/l	EPA 314
Specific Conductivity		398	1.0	1.0	umhos/cm	SM2510 B-97
C41111-23	**5W11F3G432**					
Specific Conductivity		292	1.0	1.0	umhos/cm	SM2510 B-97

Summary of Hits

Job Number: C41111
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 08/03/15 thru 08/05/15

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C41111-24	**5W11F4G320**					
Perchlorate		1.7	1.0	0.65	ug/l	EPA 314
Specific Conductivity		307	1.0	1.0	umhos/cm	SM2510 B-97
C41111-25	**5W3A5G670**					
Isopropyl Alcohol		5.3 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		276	1.0	1.0	umhos/cm	SM2510 B-97
C41111-26	**5W3A6G6510**					
Isopropyl Alcohol		11.6 J	100	5.0	ug/l	SW846 8260B
Trichloroethylene		14.0	1.0	0.20	ug/l	SW846 8260B
Perchlorate		250	10	6.5	ug/l	EPA 314
Specific Conductivity		376	1.0	1.0	umhos/cm	SM2510 B-97
C41111-27	**5W3A7G410**					
Isopropyl Alcohol		8.2 J	100	5.0	ug/l	SW846 8260B
Perchlorate		1.5	1.0	0.65	ug/l	EPA 314
Specific Conductivity		226	1.0	1.0	umhos/cm	SM2510 B-97
C41111-28	**5W3A6G510B**					
Isopropyl Alcohol		6.6 J	100	5.0	ug/l	SW846 8260B
Trichloroethylene		15.0	1.0	0.20	ug/l	SW846 8260B
C41111-29	**4W8E3G587B**					
1,2-Dichloroethane		0.27 J	1.0	0.20	ug/l	SW846 8260B
C41111-30	**5W11F4G320B**					
No hits reported in this sample.						
C41111-31	**TB1080515**					
No hits reported in this sample.						

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	PW9G808		
Lab Sample ID:	C41111-1	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55495.D	1	08/07/15	JC	n/a	n/a	VW2048
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	7.1	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:	PW9G808		
Lab Sample ID:	C41111-1	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	4.8	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	96%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41111-1	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	282	10	6.5	ug/l	10	08/14/15 17:12	PH	EPA 314
Specific Conductivity	354	1.0	1.0	umhos/cm	1	08/06/15	PH	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:	PW9G718		
Lab Sample ID:	C41111-2	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55496.D	1	08/07/15	JC	n/a	n/a	VW2048
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	24.3	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	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41111-2	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	3.5	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		78-125%
2037-26-5	Toluene-D8	98%		86-114%
460-00-4	4-Bromofluorobenzene	98%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41111-2	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	241	10	6.5	ug/l	10	08/14/15 17:29	PH	EPA 314
Specific Conductivity	290	1.0	1.0	umhos/cm	1	08/06/15	PH	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:	PW9G648		
Lab Sample ID:	C41111-3	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55497.D	1	08/07/15	JC	n/a	n/a	VW2048
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	PW9G648		
Lab Sample ID:	C41111-3	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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%		78-125%
2037-26-5	Toluene-D8	98%		86-114%
460-00-4	4-Bromofluorobenzene	99%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41111-3	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	0.65 U	1.0	0.65	ug/l	1	08/10/15 20:28	PH	EPA 314
Specific Conductivity	288	1.0	1.0	umhos/cm	1	08/06/15	PH	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:	PW9G562		
Lab Sample ID:	C41111-4	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55498.D	1	08/07/15	JC	n/a	n/a	VW2048
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	PW9G562		
Lab Sample ID:	C41111-4	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	0.49	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%		78-125%
2037-26-5	Toluene-D8	99%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41111-4	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	28.8	1.0	0.65	ug/l	1	08/10/15 20:46	PH	EPA 314
Specific Conductivity	186	1.0	1.0	umhos/cm	1	08/06/15	PH	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:	PW9G482		
Lab Sample ID:	C41111-5	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55499.D	1	08/07/15	JC	n/a	n/a	VW2048
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	0.21	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	14.5	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:	PW9G482		
Lab Sample ID:	C41111-5	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	14.4	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	96%		78-125%
2037-26-5	Toluene-D8	99%		86-114%
460-00-4	4-Bromofluorobenzene	98%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41111-5	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	668	20	13	ug/l	20	08/14/15 17:47	PH	EPA 314
Specific Conductivity	328	1.0	1.0	umhos/cm	1	08/06/15	PH	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:	PW9G412		
Lab Sample ID:	C41111-6	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55500.D	1	08/07/15	JC	n/a	n/a	VW2048
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	C41111-6	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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%		78-125%
2037-26-5	Toluene-D8	99%		86-114%
460-00-4	4-Bromofluorobenzene	99%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41111-6	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	8.3	1.0	0.65	ug/l	1	08/10/15 21:21	PH	EPA 314
Specific Conductivity	257	1.0	1.0	umhos/cm	1	08/06/15	PH	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:	EB1080415		
Lab Sample ID:	C41111-7	**Date Sampled:**	08/04/15
Matrix:	AQ - Equipment Blank	**Date Received:**	08/06/15
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	W55501.D	1	08/07/15	JC	n/a	n/a	VW2048
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	7.6	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:	EB1080415		
Lab Sample ID:	C41111-7	**Date Sampled:**	08/04/15
Matrix:	AQ - Equipment Blank	**Date Received:**	08/06/15
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%		78-125%
2037-26-5	Toluene-D8	99%		86-114%
460-00-4	4-Bromofluorobenzene	99%		80-113%

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

Report of Analysis

Client Sample ID:	EB1080415		
Lab Sample ID:	C41111-7	**Date Sampled:**	08/04/15
Matrix:	AQ - Equipment Blank	**Date Received:**	08/06/15
		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	0.65 U	1.0	0.65	ug/l	1	08/14/15 14:13	PH	EPA 314
Specific Conductivity	1.2	1.0	1.0	umhos/cm	1	08/14/15 11:30	PH	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:	CPW17G712		
Lab Sample ID:	C41111-8	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55502.D	1	08/07/15	JC	n/a	n/a	VW2048
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	5.8	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:	CPW17G712		
Lab Sample ID:	C41111-8	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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%		78-125%
2037-26-5	Toluene-D8	98%		86-114%
460-00-4	4-Bromofluorobenzene	99%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41111-8	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	0.65 U	1.0	0.65	ug/l	1	08/14/15 19:17	PH	EPA 314
Specific Conductivity	230	1.0	1.0	umhos/cm	1	08/14/15 11:30	PH	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:	CPW17G612		
Lab Sample ID:	C41111-9	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55503.D	1	08/07/15	JC	n/a	n/a	VW2048
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	16.7	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:	CPW17G612		
Lab Sample ID:	C41111-9	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	101%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41111-9	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	1.3	1.0	0.65	ug/l	1	08/14/15 19:34	PH	EPA 314
Specific Conductivity	258	1.0	1.0	umhos/cm	1	08/14/15 11:30	PH	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:	CPW17G563		
Lab Sample ID:	C41111-10	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55504.D	1	08/07/15	JC	n/a	n/a	VW2048
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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	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:	CPW17G563		
Lab Sample ID:	C41111-10	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	98%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	101%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41111-10	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	0.65 U	1.0	0.65	ug/l	1	08/14/15 19:52	PH	EPA 314
Specific Conductivity	275	1.0	1.0	umhos/cm	1	08/14/15 11:30	PH	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:	CPW17G503		
Lab Sample ID:	C41111-11	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55505.D	1	08/07/15	JC	n/a	n/a	VW2048
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	17.5	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:	CPW17G503		
Lab Sample ID:	C41111-11	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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%		78-125%
2037-26-5	Toluene-D8	99%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41111-11	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	0.65 U	1.0	0.65	ug/l	1	08/14/15 20:10	PH	EPA 314
Specific Conductivity	301	1.0	1.0	umhos/cm	1	08/14/15 11:30	PH	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:	CPW17G413		
Lab Sample ID:	C41111-12	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55506.D	1	08/07/15	JC	n/a	n/a	VW2048
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	CPW17G413		
Lab Sample ID:	C41111-12	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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%		78-125%
2037-26-5	Toluene-D8	98%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41111-12	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	1.3	1.0	0.65	ug/l	1	08/14/15 20:28	PH	EPA 314
Specific Conductivity	268	1.0	1.0	umhos/cm	1	08/14/15 11:30	PH	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:	CPW17G313		
Lab Sample ID:	C41111-13	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55507.D	1	08/07/15	JC	n/a	n/a	VW2048
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	6.8	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:	CPW17G313		
Lab Sample ID:	C41111-13	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41111-13	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	0.65	ug/l	1	08/16/15 12:42	PH	EPA 314
Specific Conductivity	357	1.0	1.0	umhos/cm	1	08/14/15 11:30	PH	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:	CPW17H313		
Lab Sample ID:	C41111-14	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55508.D	1	08/07/15	JC	n/a	n/a	VW2048
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	22.8	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:	CPW17H313		
Lab Sample ID:	C41111-14	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

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

Report of Analysis

Client Sample ID:	CPW17H313		
Lab Sample ID:	C41111-14	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	3.0	1.0	0.65	ug/l	1	08/16/15 13:35	PH	EPA 314
Specific Conductivity	356	1.0	1.0	umhos/cm	1	08/14/15 11:30	PH	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:	TB1080415		
Lab Sample ID:	C41111-15	**Date Sampled:**	08/04/15
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/06/15
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	W55494.D	1	08/07/15	JC	n/a	n/a	VW2048
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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	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:	TB1080415		
Lab Sample ID:	C41111-15	**Date Sampled:**	08/04/15
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/06/15
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	93%		78-125%
2037-26-5	Toluene-D8	98%		86-114%
460-00-4	4-Bromofluorobenzene	98%		80-113%

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

Report of Analysis

Client Sample ID:	5W13B2G685		
Lab Sample ID:	C41111-16	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55509.D	1	08/07/15	JC	n/a	n/a	VW2048
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	5.8	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:	5W13B2G685		
Lab Sample ID:	C41111-16	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	99%		80-113%

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

Report of Analysis

Client Sample ID:	5W13B2G685		
Lab Sample ID:	C41111-16	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	1.4	1.0	0.65	ug/l	1	08/16/15 13:53	PH	EPA 314
Specific Conductivity	321	1.0	1.0	umhos/cm	1	08/14/15 11:30	PH	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:	5W13B4G430		
Lab Sample ID:	C41111-17	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55523.D	1	08/10/15	JC	n/a	n/a	VW2049
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	C41111-17	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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%		78-125%
2037-26-5	Toluene-D8	98%		86-114%
460-00-4	4-Bromofluorobenzene	99%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41111-17	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	3.8	1.0	0.65	ug/l	1	08/16/15 14:47	PH	EPA 314
Specific Conductivity	400	1.0	1.0	umhos/cm	1	08/14/15 11:30	PH	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:	5W13B5G280		
Lab Sample ID:	C41111-18	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55524.D	1	08/10/15	JC	n/a	n/a	VW2049
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.35	1.0	0.20	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	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	0.52	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:	5W13B5G280		
Lab Sample ID:	C41111-18	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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%		78-125%
2037-26-5	Toluene-D8	98%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41111-18	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	1.2	1.0	0.65	ug/l	1	08/16/15 15:05	PH	EPA 314
Specific Conductivity	468	1.0	1.0	umhos/cm	1	08/14/15 11:30	PH	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:	5W13B5H280		
Lab Sample ID:	C41111-19	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55525.D	1	08/10/15	JC	n/a	n/a	VW2049
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.33	1.0	0.20	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	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	0.63	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:	5W13B5H280		
Lab Sample ID:	C41111-19	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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%		78-125%
2037-26-5	Toluene-D8	98%		86-114%
460-00-4	4-Bromofluorobenzene	99%		80-113%

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

Report of Analysis

Client Sample ID:	5W13B5H280		
Lab Sample ID:	C41111-19	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	1.1	1.0	0.65	ug/l	1	08/16/15 15:23	PH	EPA 314
Specific Conductivity	471	1.0	1.0	umhos/cm	1	08/14/15 12:30	PH	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:	4W8E1G980		
Lab Sample ID:	C41111-20	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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 [a]	W55536.D	1	08/10/15	JC	n/a	n/a	VW2049
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	4W8E1G980		
Lab Sample ID:	C41111-20	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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%		78-125%
2037-26-5	Toluene-D8	98%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

(a) (pH= 7) Sample pH did not satisfy field preservation criteria. Sample was analyzed within 7 day holding time.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41111-20	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	0.65 U	1.0	0.65	ug/l	1	08/16/15 15:40	PH	EPA 314
Specific Conductivity	435	1.0	1.0	umhos/cm	1	08/14/15 12:30	PH	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:	4W8E3G587		
Lab Sample ID:	C41111-21	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55526.D	1	08/10/15	JC	n/a	n/a	VW2049
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	4W8E3G587		
Lab Sample ID:	C41111-21	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	98%		78-125%
2037-26-5	Toluene-D8	99%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41111-21	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	0.65 U	1.0	0.65	ug/l	1	08/16/15 15:58	PH	EPA 314
Specific Conductivity	369	1.0	1.0	umhos/cm	1	08/14/15 12:30	PH	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:	4W8E4G320		
Lab Sample ID:	C41111-22	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55527.D	1	08/10/15	JC	n/a	n/a	VW2049
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.30	1.0	0.20	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	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:	4W8E4G320		
Lab Sample ID:	C41111-22	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	98%		78-125%
2037-26-5	Toluene-D8	98%		86-114%
460-00-4	4-Bromofluorobenzene	101%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41111-22	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	0.65	ug/l	1	08/16/15 16:16	PH	EPA 314
Specific Conductivity	398	1.0	1.0	umhos/cm	1	08/14/15 12:30	PH	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:	5W11F3G432		
Lab Sample ID:	C41111-23	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55528.D	1	08/10/15	JC	n/a	n/a	VW2049
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	5W11F3G432		
Lab Sample ID:	C41111-23	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	98%		78-125%
2037-26-5	Toluene-D8	98%		86-114%
460-00-4	4-Bromofluorobenzene	101%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41111-23	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	0.65 U	1.0	0.65	ug/l	1	08/16/15 16:34	PH	EPA 314
Specific Conductivity	292	1.0	1.0	umhos/cm	1	08/14/15 12:30	PH	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:	5W11F4G320		
Lab Sample ID:	C41111-24	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55529.D	1	08/10/15	JC	n/a	n/a	VW2049
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	5W11F4G320		
Lab Sample ID:	C41111-24	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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%		78-125%
2037-26-5	Toluene-D8	99%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41111-24	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	0.65	ug/l	1	08/16/15 16:52	PH	EPA 314
Specific Conductivity	307	1.0	1.0	umhos/cm	1	08/14/15 12:30	PH	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:	5W3A5G670		
Lab Sample ID:	C41111-25	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55530.D	1	08/10/15	JC	n/a	n/a	VW2049
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	5.3	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	

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

Report of Analysis

Client Sample ID:	5W3A5G670		
Lab Sample ID:	C41111-25	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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%		78-125%
2037-26-5	Toluene-D8	98%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

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

Report of Analysis

Client Sample ID:	5W3A5G670		
Lab Sample ID:	C41111-25	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	0.65 U	1.0	0.65	ug/l	1	08/16/15 17:10	PH	EPA 314
Specific Conductivity	276	1.0	1.0	umhos/cm	1	08/14/15 12:30	PH	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:	5W3A6G6510		
Lab Sample ID:	C41111-26	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55531.D	1	08/10/15	JC	n/a	n/a	VW2049
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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	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:	5W3A6G6510		
Lab Sample ID:	C41111-26	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	14.0	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		78-125%
2037-26-5	Toluene-D8	99%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

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

Report of Analysis

Client Sample ID:	5W3A6G6510		
Lab Sample ID:	C41111-26	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	250	10	6.5	ug/l	10	08/16/15 18:39	PH	EPA 314
Specific Conductivity	376	1.0	1.0	umhos/cm	1	08/14/15 12:30	PH	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:	5W3A7G410		
Lab Sample ID:	C41111-27	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55532.D	1	08/10/15	JC	n/a	n/a	VW2049
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	8.2	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:	5W3A7G410		
Lab Sample ID:	C41111-27	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	98%		78-125%
2037-26-5	Toluene-D8	98%		86-114%
460-00-4	4-Bromofluorobenzene	98%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41111-27	**Date Sampled:**	08/05/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
		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	0.65	ug/l	1	08/16/15 18:21	PH	EPA 314
Specific Conductivity	226	1.0	1.0	umhos/cm	1	08/14/15 12:30	PH	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:	5W3A6G510B		
Lab Sample ID:	C41111-28	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55533.D	1	08/10/15	JC	n/a	n/a	VW2049
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	6.6	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:	5W3A6G510B		
Lab Sample ID:	C41111-28	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	15.0	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	101%		80-113%

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

Report of Analysis

Client Sample ID:	4W8E3G587B		
Lab Sample ID:	C41111-29	**Date Sampled:**	08/03/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55534.D	1	08/10/15	JC	n/a	n/a	VW2049
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.27	1.0	0.20	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	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:	4W8E3G587B		
Lab Sample ID:	C41111-29	**Date Sampled:**	08/03/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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%		78-125%
2037-26-5	Toluene-D8	99%		86-114%
460-00-4	4-Bromofluorobenzene	101%		80-113%

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

Report of Analysis

Client Sample ID:	5W11F4G320B		
Lab Sample ID:	C41111-30	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	W55535.D	1	08/10/15	JC	n/a	n/a	VW2049
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	5W11F4G320B		
Lab Sample ID:	C41111-30	**Date Sampled:**	08/04/15
Matrix:	AQ - Ground Water	**Date Received:**	08/06/15
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	98%		78-125%
2037-26-5	Toluene-D8	98%		86-114%
460-00-4	4-Bromofluorobenzene	101%		80-113%

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

Report of Analysis

Client Sample ID:	TB1080515		
Lab Sample ID:	C41111-31	**Date Sampled:**	08/05/15
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/06/15
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	W55545.D	1	08/11/15	JC	n/a	n/a	VW2050
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	TB1080515		
Lab Sample ID:	C41111-31	**Date Sampled:**	08/05/15
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/06/15
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%		78-125%
2037-26-5	Toluene-D8	98%		86-114%
460-00-4	4-Bromofluorobenzene	98%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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

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CHAIN OF CUSTODY

ACCUTEST® LABORATORIES

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

FEDEX Tracking # 8074 5769 1218
Bottle Order Control #
Accutest Quote #
Accutest NC Job #: C C41111

Client / Reporting Information

Company Name: EnSafe
Address:
City / State / Zip:
Project Contact: J. Teves
Phone #: 925 305 2109
Samplers's Name: M. Davishi

Project Information

Project Name: UTC RPI7 Superfund
Street:
City / State: Rialto Ca
Project #: 08888 17231
EMAIL: jteves@ensafe.com
Client Purchase Order #: 19211

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	HNO3	HCO3	NONE	NaHSO4	MEOH	ENCORE	8260B	E314	LAB USE ONLY
1	PW9G808	8/4	0925	MB	GW	4	3			1				X	X	
2	PW9G718	8/4	0945	MB	GW	4	3			1				X	X	
3	PW9G648	8/4	1015	MB	GW	4	3			1				X	Y	
4	PW9G562	8/4	1045	MB	GW	4	3			1				X	Y	
5	PW9G482	8/4	1100	MB	GW	4	3			1				X	Y	
6	PW9G412	8/4	1125	MB	GW	4	3			1				X	Y	
LB 7	~~PW9G352~~	~~8/4~~		~~MB~~	~~GW~~	~~4~~	~~3~~			~~1~~				~~X~~	~~X~~	MB
	~~PW9H352~~	~~8/4~~		~~MB~~	~~GW~~	~~4~~	~~3~~			~~1~~				~~X~~	~~X~~	MB
7	EB1080415	8/4	1145	MB	WQ	4	3			1				X	X	
8	CPW17G712	8/4	1355	MB	GW	4	3			1				X	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:
- [X] EnSafe 3-File Equis

Comments / Remarks

WQ = Water Quality
Normal RL's w/ J Flags
Rush Prelim 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	8/5/1420	1 8.5.15 1430	2	8.5.15 1630	2
Relinquished by: 3	Date Time: 8/6/15 0940	Received By:	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 4.5

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CHAIN OF CUSTODY

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

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FED-EX Tracking # 8079 5769 1218
Bottle Order Control #
Accutest Quote #
Accutest NC Job #: C C41111

Client / Reporting Information		Project Information	
Company Name	Ensafe	Project Name:	VC RFF Superfund
Address		Street	
City State Zip		City State	
Project Contact:	J. Teres	Project #	08888 17231
Phone #	925 305 2109	EMAIL:	
Samplers's Name	M. Balishi	Client Purchase Order #	19211

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	EDB/14									LAB USE ONLY
9	CPW17G-612	8/4	1410	MB	GW	4	3				1				X	X									
10	CPW17G-503	8/4	1445	MB	GW	4	3				1				X	X									
11	CPW17G-503	8/4	1510	MB	GW	4	3				1				X	X									
12	CPW17G-413	8/4	1530	MB	GW	4	3				1				X	X									
13	CPW17G-313	8/4	1550	MB	GW	4	3				1				X	X									
14	CPW17H-313	8/4	1550	MB	GW	4	3				1				X	X									
15	TB108415	8/4	0800	MB	WQ	~~42~~ 2					~~4~~				2										
	~~CPW17G-712~~	~~8/4~~	~~1355~~	~~MB~~	~~GW~~	~~4~~	~~3~~				~~1~~				~~X~~	~~X~~	~~MB~~								

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)

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: ~~Epi~~ Ensafe 3-File Equis

Comments / Remarks

WQ - Water Quality
Normal RL's w/ J - Flags
Rush Prelim Electronic Data Summaries
PDF Dat 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	8/5 1420	1 8-5-15 1430	2	8-5-15 1630	2 FEDEX
Relinquished by: 3 FEDEX	Date Time: 8/6/15 0940	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. °C

IRVINE

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C41111: Chain of Custody
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CHAIN OF CUSTODY

D. 3/5

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 C41111

Client / Reporting Information

Company Name: Ensafe
Address:
City / State / Zip:
Project Contact: J. Teres
Phone #: 925 305 2109
Samplers's Name: M. Bavishi

Project Information

Project Name: UTC RFP Superfund
Street:
City / State:
Project #: 0388817231
EMAIL:
Client Purchase Order #: 1924

Requested Analysis: 8260B, 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	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	8260B	E314			LAB USE ONLY
16	5W13B26685	8/5	855	MB	GW	4	3				1				X	X			
	~~5W13B36550~~	~~8/5~~		MB	GW	4	3				1				X	X	MB		
17	5W13B46430	8/5	0930	MB	GW	4	3				1				X	X			
18	5W13B56280	8/5	0945	MB	GW	4	3				1				X	X			
	~~4W8E10 5W13B5280~~	~~8/5~~															MB		
19	5W13B5H280	8/5	0945	MB	GW	4	3				1				X	X			
20	4W8E16980	8/5	1040	MB	GW	4	3				1				X	X			
21	4W8E36587	8/5	1135	MB	GW	4	3				1				X	X			
22	4W8E46320	8/5	1145	MB	GW	4	3				1				X	X			
							2												

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

Normal RLs w/ J-Flags
Rush Prelim 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	8/5/1420	1	8-5-15 1430	8-5-15 1630	2 FEDX
Relinquished by: 3 FEDX	Date Time: 8/6/15 0940	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. ___ °C

IRVINE

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C41111: Chain of Custody
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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 C41111

Client / Reporting Information

Company Name: EnSafe
Address:
City: Concord State: Ca Zip:
Project Contact: J. Teves
Phone #:
Samplers's Name: M. Bavishi

Project Information

Project Name: LTC RFF Superfund
Street:
City: State:
Project #: 08888 17231
EMAIL: jteves@ensafe.com
Client Purchase Order #: 19211

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	8260 B	E314	LAB USE ONLY
23	SW1F36-432	8/5	1250	MB	GW	4	3				1				X	X	
24	SW1F46-320	8/5	1300	MB	GW	4	3				1				X	X	
25	SW3A56-670	8/5	1335	MB	GW	4	3				1				X	X	
26	SW3A66-6510	8/5	1350	MB	GW	4	3				1				X	X	
27	SW3A76-410	8/5	1400	MB	GW	4	3				1				X	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:
- [X] Ensafe 3-File Equis

Comments / Remarks

Normal RL's w/ J Flags
Rush Prelim 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		8/5 1410	1 8-5-15 1430	2	8-5-15 1630	2 FEDEX
3	FEDEX	8/6/15 0510	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

IRVINE

5.1 5

C41111: Chain of Custody
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CHAIN OF CUSTODY Pg. 5/5

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 C41111

Client / Reporting Information

Company Name: EnSafe
Address:
City / State / Zip:
Project Contact: J. Teves
Phone #: 925 305 2109
Samplers's Name: M. Barishi

Project Information

Project Name: UTCRFF Superfund
Street:
City: Rialto State: Ca
Project #:
EMAIL: jteves@ensafe.com
Client Purchase Order #: 19211

Requested Analysis: 8260B

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	Number of preserved Bottles: HCl	HNO3	H2SO4	NONE	DI WATER	MEOH	ENCORE	8260B	LAB USE ONLY
28	SW3A6G510B	8/4	1030	MB	GW	3	3							X	
29	4W8E3G587B	8/3	1315	MB	GW	3	3							X	
30	SW11F4G320B	8/4	0945	MB	GW	3	3							X	
31	T130805I5	8/5/15	0800		WTB	2	2								

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:
- EnSafe 3 File Equi's

Comments / Remarks
Normal RL's w/ J Flags.
Rush Prelim Electronic Data
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		8/5 1420	1 8-5-15 1430	2	8-5-15 1630	2 FEDEX
3		08/6/15	3	4		4
5			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

5.1 5

C41111: Chain of Custody
Page 5 of 7

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C41111 **Client:** ENSAFE **Project:** UTC RFF SUPERFUND

Date / Time Received: 8/6/2015 9:40:00 AM **Delivery Method:** FedEx **Airbill #'s:** 807957691218

Cooler Temps (Initial/Adjusted): #1: (4.5/4.5);

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	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	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 A set of Trip Blank received but NOT listed on the COC
TB1080515 was assigned C41111-31 for labeling purpose

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: C41111

CSR: Elvin Kumar **Response Date:** 8/9/2015

Response: As per Client, analyze the Trip Blank sample for VOCs (8260B)
TB1080515 (C41111-31)

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: C41111
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
VW2048-MB	W55491.D	1	08/07/15	JC	n/a	n/a	VW2048

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

C41111-1, C41111-2, C41111-3, C41111-4, C41111-5, C41111-6, C41111-7, C41111-8, C41111-9, C41111-10, C41111-11, C41111-12, C41111-13, C41111-14, C41111-15, C41111-16

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: C41111
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
VW2048-MB	W55491.D	1	08/07/15	JC	n/a	n/a	VW2048

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

C41111-1, C41111-2, C41111-3, C41111-4, C41111-5, C41111-6, C41111-7, C41111-8, C41111-9, C41111-10, C41111-11, C41111-12, C41111-13, C41111-14, C41111-15, C41111-16

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	92%	78-125%
2037-26-5	Toluene-D8	98%	86-114%
460-00-4	4-Bromofluorobenzene	95%	80-113%

Method Blank Summary

Job Number: C41111
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
VW2049-MB	W55518.D	1	08/10/15	JC	n/a	n/a	VW2049

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

C41111-17, C41111-18, C41111-19, C41111-20, C41111-21, C41111-22, C41111-23, C41111-24, C41111-25, C41111-26, C41111-27, C41111-28, C41111-29, C41111-30

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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: C41111
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
VW2049-MB	W55518.D	1	08/10/15	JC	n/a	n/a	VW2049

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

C41111-17, C41111-18, C41111-19, C41111-20, C41111-21, C41111-22, C41111-23, C41111-24, C41111-25, C41111-26, C41111-27, C41111-28, C41111-29, C41111-30

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	92%	78-125%
2037-26-5	Toluene-D8	98%	86-114%
460-00-4	4-Bromofluorobenzene	98%	80-113%

Method Blank Summary

Job Number: C41111
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
VW2050-MB	W55544.D	1	08/11/15	JC	n/a	n/a	VW2050

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

C41111-31

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	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: C41111
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
VW2050-MB	W55544.D	1	08/11/15	JC	n/a	n/a	VW2050

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

C41111-31

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	95%	78-125%
2037-26-5	Toluene-D8	98%	86-114%
460-00-4	4-Bromofluorobenzene	97%	80-113%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C41111
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
VW2048-BS	W55488.D	1	08/07/15	JC	n/a	n/a	VW2048
VW2048-BSD	W55489.D	1	08/07/15	JC	n/a	n/a	VW2048

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

C41111-1, C41111-2, C41111-3, C41111-4, C41111-5, C41111-6, C41111-7, C41111-8, C41111-9, C41111-10, C41111-11, C41111-12, C41111-13, C41111-14, C41111-15, C41111-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	18.2	91	18.2	91	0	77-118/10
108-90-7	Chlorobenzene	20	19.1	96	19.1	96	0	77-120/10
75-00-3	Chloroethane	20	14.1	71	14.0	70	1	63-117/10
67-66-3	Chloroform	20	18.9	95	18.6	93	2	74-123/10
56-23-5	Carbon tetrachloride	20	21.4	107	20.5	103	4	72-128/11
75-34-3	1,1-Dichloroethane	20	17.5	88	17.4	87	1	70-120/10
75-35-4	1,1-Dichloroethylene	20	18.5	93	18.0	90	3	65-120/11
106-93-4	1,2-Dibromoethane	20	19.7	99	19.4	97	2	78-123/10
107-06-2	1,2-Dichloroethane	20	20.2	101	19.5	98	4	72-123/10
78-87-5	1,2-Dichloropropane	20	18.1	91	17.7	89	2	76-119/10
75-71-8	Dichlorodifluoromethane	20	16.4	82	15.5	78	6	37-149/21
156-59-2	cis-1,2-Dichloroethylene	20	19.3	97	18.9	95	2	74-121/10
10061-01-5	cis-1,3-Dichloropropene	20	20.5	103	19.8	99	3	76-125/10
541-73-1	m-Dichlorobenzene	20	19.0	95	19.1	96	1	77-121/10
95-50-1	o-Dichlorobenzene	20	19.0	95	18.8	94	1	77-120/10
106-46-7	p-Dichlorobenzene	20	19.2	96	19.1	96	1	78-118/10
10061-02-6	trans-1,3-Dichloropropene	20	20.2	101	19.6	98	3	73-122/10
100-41-4	Ethylbenzene	20	19.7	99	19.4	97	2	78-121/10
76-13-1	Freon 113	20	19.6	98	19.1	96	3	60-132/17
87-68-3	Hexachlorobutadiene	20	20.2	101	20.1	101	0	69-127/11
67-63-0	Isopropyl Alcohol	400	364	91	366	92	1	52-148/15
74-83-9	Methyl bromide	20	16.0	80	15.5	78	3	66-123/10
74-87-3	Methyl chloride	20	15.7	79	15.2	76	3	50-138/19
75-09-2	Methylene chloride	20	17.4	87	17.1	86	2	65-124/14
100-42-5	Styrene	20	20.4	102	20.4	102	0	74-126/10
71-55-6	1,1,1-Trichloroethane	20	20.2	101	19.7	99	3	73-124/10
79-34-5	1,1,2,2-Tetrachloroethane	20	18.9	95	18.8	94	1	77-123/10
79-00-5	1,1,2-Trichloroethane	20	19.3	97	18.7	94	3	77-120/10
120-82-1	1,2,4-Trichlorobenzene	20	19.4	97	19.1	96	2	72-123/10
95-63-6	1,2,4-Trimethylbenzene	20	19.5	98	19.3	97	1	77-122/10
108-67-8	1,3,5-Trimethylbenzene	20	20.2	101	20.0	100	1	79-127/10
127-18-4	Tetrachloroethylene	20	18.9	95	18.9	95	0	71-124/10
108-88-3	Toluene	20	19.0	95	19.0	95	0	78-120/10
79-01-6	Trichloroethylene	20	18.8	94	18.4	92	2	75-119/10
75-69-4	Trichlorofluoromethane	20	19.1	96	18.9	95	1	67-129/14
75-01-4	Vinyl chloride	20	16.0	80	15.8	79	1	60-133/15

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C41111
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
VW2048-BS	W55488.D	1	08/07/15	JC	n/a	n/a	VW2048
VW2048-BSD	W55489.D	1	08/07/15	JC	n/a	n/a	VW2048

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

C41111-1, C41111-2, C41111-3, C41111-4, C41111-5, C41111-6, C41111-7, C41111-8, C41111-9, C41111-10, C41111-11, C41111-12, C41111-13, C41111-14, C41111-15, C41111-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	39.0	98	38.9	97	0	78-121/10
95-47-6	o-Xylene	20	19.1	96	19.2	96	1	77-123/10

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	99%	96%	78-125%
2037-26-5	Toluene-D8	98%	99%	86-114%
460-00-4	4-Bromofluorobenzene	100%	99%	80-113%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C41111
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
VW2049-BS	W55515.D	1	08/10/15	JC	n/a	n/a	VW2049
VW2049-BSD	W55516.D	1	08/10/15	JC	n/a	n/a	VW2049

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

C41111-17, C41111-18, C41111-19, C41111-20, C41111-21, C41111-22, C41111-23, C41111-24, C41111-25, C41111-26, C41111-27, C41111-28, C41111-29, C41111-30

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	18.0	90	18.0	90	0	77-118/10
108-90-7	Chlorobenzene	20	18.8	94	19.1	96	2	77-120/10
75-00-3	Chloroethane	20	13.9	70	14.0	70	1	63-117/10
67-66-3	Chloroform	20	18.9	95	19.0	95	1	74-123/10
56-23-5	Carbon tetrachloride	20	21.1	106	20.9	105	1	72-128/11
75-34-3	1,1-Dichloroethane	20	17.6	88	17.6	88	0	70-120/10
75-35-4	1,1-Dichloroethylene	20	18.0	90	18.5	93	3	65-120/11
106-93-4	1,2-Dibromoethane	20	19.6	98	19.7	99	1	78-123/10
107-06-2	1,2-Dichloroethane	20	19.9	100	19.4	97	3	72-123/10
78-87-5	1,2-Dichloropropane	20	17.6	88	17.9	90	2	76-119/10
75-71-8	Dichlorodifluoromethane	20	15.6	78	15.3	77	2	37-149/21
156-59-2	cis-1,2-Dichloroethylene	20	19.3	97	19.5	98	1	74-121/10
10061-01-5	cis-1,3-Dichloropropene	20	20.3	102	20.3	102	0	76-125/10
541-73-1	m-Dichlorobenzene	20	18.5	93	18.5	93	0	77-121/10
95-50-1	o-Dichlorobenzene	20	18.7	94	18.5	93	1	77-120/10
106-46-7	p-Dichlorobenzene	20	18.8	94	18.7	94	1	78-118/10
10061-02-6	trans-1,3-Dichloropropene	20	19.8	99	19.8	99	0	73-122/10
100-41-4	Ethylbenzene	20	19.2	96	19.5	98	2	78-121/10
76-13-1	Freon 113	20	18.9	95	18.5	93	2	60-132/17
87-68-3	Hexachlorobutadiene	20	19.4	97	19.7	99	2	69-127/11
67-63-0	Isopropyl Alcohol	400	362	91	350	88	3	52-148/15
74-83-9	Methyl bromide	20	15.6	78	15.8	79	1	66-123/10
74-87-3	Methyl chloride	20	15.1	76	15.3	77	1	50-138/19
75-09-2	Methylene chloride	20	17.5	88	17.6	88	1	65-124/14
100-42-5	Styrene	20	20.2	101	20.4	102	1	74-126/10
71-55-6	1,1,1-Trichloroethane	20	20.2	101	20.2	101	0	73-124/10
79-34-5	1,1,2,2-Tetrachloroethane	20	19.0	95	18.6	93	2	77-123/10
79-00-5	1,1,2-Trichloroethane	20	18.7	94	19.0	95	2	77-120/10
120-82-1	1,2,4-Trichlorobenzene	20	19.0	95	18.9	95	1	72-123/10
95-63-6	1,2,4-Trimethylbenzene	20	19.0	95	18.9	95	1	77-122/10
108-67-8	1,3,5-Trimethylbenzene	20	19.8	99	19.8	99	0	79-127/10
127-18-4	Tetrachloroethylene	20	18.4	92	18.9	95	3	71-124/10
108-88-3	Toluene	20	18.5	93	18.9	95	2	78-120/10
79-01-6	Trichloroethylene	20	18.5	93	18.5	93	0	75-119/10
75-69-4	Trichlorofluoromethane	20	19.2	96	19.3	97	1	67-129/14
75-01-4	Vinyl chloride	20	16.0	80	16.1	81	1	60-133/15

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C41111
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
VW2049-BS	W55515.D	1	08/10/15	JC	n/a	n/a	VW2049
VW2049-BSD	W55516.D	1	08/10/15	JC	n/a	n/a	VW2049

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

C41111-17, C41111-18, C41111-19, C41111-20, C41111-21, C41111-22, C41111-23, C41111-24, C41111-25, C41111-26, C41111-27, C41111-28, C41111-29, C41111-30

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	38.9	97	2	78-121/10
95-47-6	o-Xylene	20	19.0	95	19.2	96	1	77-123/10

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	98%	99%	78-125%
2037-26-5	Toluene-D8	95%	97%	86-114%
460-00-4	4-Bromofluorobenzene	98%	99%	80-113%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C41111
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
VW2050-BS	W55541.D	1	08/10/15	JC	n/a	n/a	VW2050
VW2050-BSD	W55542.D	1	08/10/15	JC	n/a	n/a	VW2050

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

C41111-31

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	17.8	89	17.8	89	0	77-118/10
108-90-7	Chlorobenzene	20	18.5	93	18.7	94	1	77-120/10
75-00-3	Chloroethane	20	13.2	66	13.4	67	2	63-117/10
67-66-3	Chloroform	20	18.5	93	18.9	95	2	74-123/10
56-23-5	Carbon tetrachloride	20	20.8	104	20.3	102	2	72-128/11
75-34-3	1,1-Dichloroethane	20	16.9	85	17.5	88	3	70-120/10
75-35-4	1,1-Dichloroethylene	20	17.3	87	17.4	87	1	65-120/11
106-93-4	1,2-Dibromoethane	20	19.4	97	19.6	98	1	78-123/10
107-06-2	1,2-Dichloroethane	20	19.9	100	20.0	100	1	72-123/10
78-87-5	1,2-Dichloropropane	20	17.5	88	17.8	89	2	76-119/10
75-71-8	Dichlorodifluoromethane	20	13.9	70	14.1	71	1	37-149/21
156-59-2	cis-1,2-Dichloroethylene	20	18.5	93	19.3	97	4	74-121/10
10061-01-5	cis-1,3-Dichloropropene	20	19.8	99	19.7	99	1	76-125/10
541-73-1	m-Dichlorobenzene	20	18.4	92	18.4	92	0	77-121/10
95-50-1	o-Dichlorobenzene	20	18.4	92	18.5	93	1	77-120/10
106-46-7	p-Dichlorobenzene	20	18.6	93	18.5	93	1	78-118/10
10061-02-6	trans-1,3-Dichloropropene	20	19.2	96	19.2	96	0	73-122/10
100-41-4	Ethylbenzene	20	19.0	95	19.0	95	0	78-121/10
76-13-1	Freon 113	20	18.0	90	17.8	89	1	60-132/17
87-68-3	Hexachlorobutadiene	20	18.9	95	18.7	94	1	69-127/11
67-63-0	Isopropyl Alcohol	400	329	82	349	87	6	52-148/15
74-83-9	Methyl bromide	20	14.8	74	15.2	76	3	66-123/10
74-87-3	Methyl chloride	20	14.8	74	14.6	73	1	50-138/19
75-09-2	Methylene chloride	20	16.5	83	17.1	86	4	65-124/14
100-42-5	Styrene	20	20.1	101	20.1	101	0	74-126/10
71-55-6	1,1,1-Trichloroethane	20	19.7	99	19.7	99	0	73-124/10
79-34-5	1,1,2,2-Tetrachloroethane	20	18.3	92	18.5	93	1	77-123/10
79-00-5	1,1,2-Trichloroethane	20	18.6	93	19.2	96	3	77-120/10
120-82-1	1,2,4-Trichlorobenzene	20	17.2	86	17.7	89	3	72-123/10
95-63-6	1,2,4-Trimethylbenzene	20	18.8	94	18.6	93	1	77-122/10
108-67-8	1,3,5-Trimethylbenzene	20	19.5	98	19.2	96	2	79-127/10
127-18-4	Tetrachloroethylene	20	18.3	92	18.2	91	1	71-124/10
108-88-3	Toluene	20	18.3	92	18.4	92	1	78-120/10
79-01-6	Trichloroethylene	20	18.3	92	18.2	91	1	75-119/10
75-69-4	Trichlorofluoromethane	20	17.6	88	18.4	92	4	67-129/14
75-01-4	Vinyl chloride	20	15.0	75	15.1	76	1	60-133/15

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C41111
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
VW2050-BS	W55541.D	1	08/10/15	JC	n/a	n/a	VW2050
VW2050-BSD	W55542.D	1	08/10/15	JC	n/a	n/a	VW2050

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

C41111-31

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	37.9	95	37.8	95	0	78-121/10
95-47-6	o-Xylene	20	18.6	93	18.7	94	1	77-123/10

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	98%	100%	78-125%
2037-26-5	Toluene-D8	97%	97%	86-114%
460-00-4	4-Bromofluorobenzene	99%	99%	80-113%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C41111
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
C41111-1MS	W55510.D	1	08/07/15	JC	n/a	n/a	VW2048
C41111-1MSD	W55511.D	1	08/07/15	JC	n/a	n/a	VW2048
C41111-1	W55495.D	1	08/07/15	JC	n/a	n/a	VW2048

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

C41111-1, C41111-2, C41111-3, C41111-4, C41111-5, C41111-6, C41111-7, C41111-8, C41111-9, C41111-10, C41111-11, C41111-12, C41111-13, C41111-14, C41111-15, C41111-16

CAS No.	Compound	C41111-1 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	19.5	98	20	19.4	97	1	77-118/10
108-90-7	Chlorobenzene	ND		20	20.0	100	20	19.9	100	1	77-120/10
75-00-3	Chloroethane	ND		20	15.1	76	20	14.8	74	2	63-117/10
67-66-3	Chloroform	ND		20	20.8	104	20	20.1	101	3	74-123/10
56-23-5	Carbon tetrachloride	ND		20	25.1	126	20	24.4	122	3	72-128/11
75-34-3	1,1-Dichloroethane	ND		20	19.0	95	20	18.5	93	3	70-120/10
75-35-4	1,1-Dichloroethylene	ND		20	20.4	102	20	19.6	98	4	65-120/11
106-93-4	1,2-Dibromoethane	ND		20	20.5	103	20	20.7	104	1	78-123/10
107-06-2	1,2-Dichloroethane	ND		20	22.1	111	20	21.7	109	2	72-123/10
78-87-5	1,2-Dichloropropane	ND		20	18.8	94	20	18.8	94	0	76-119/10
75-71-8	Dichlorodifluoromethane	ND		20	19.1	96	20	18.5	93	3	37-149/21
156-59-2	cis-1,2-Dichloroethylene	ND		20	20.4	102	20	20.1	101	1	74-121/10
10061-01-5	cis-1,3-Dichloropropene	ND		20	21.2	106	20	21.1	106	0	76-125/10
541-73-1	m-Dichlorobenzene	ND		20	19.5	98	20	19.9	100	2	77-121/10
95-50-1	o-Dichlorobenzene	ND		20	19.5	98	20	19.9	100	2	77-120/10
106-46-7	p-Dichlorobenzene	ND		20	19.6	98	20	19.9	100	2	78-118/10
10061-02-6	trans-1,3-Dichloropropene	ND		20	20.8	104	20	20.8	104	0	73-122/10
100-41-4	Ethylbenzene	ND		20	21.1	106	20	20.8	104	1	78-121/10
76-13-1	Freon 113	ND		20	21.8	109	20	21.3	107	2	60-132/17
87-68-3	Hexachlorobutadiene	ND		20	20.4	102	20	21.4	107	5	69-127/11
67-63-0	Isopropyl Alcohol	7.1	J	400	342	84	400	386	95	12	52-148/15
74-83-9	Methyl bromide	ND		20	16.8	84	20	16.5	83	2	66-123/10
74-87-3	Methyl chloride	ND		20	17.0	85	20	16.5	83	3	50-138/19
75-09-2	Methylene chloride	ND		20	18.2	91	20	18.0	90	1	65-124/14
100-42-5	Styrene	ND		20	21.4	107	20	21.4	107	0	74-126/10
71-55-6	1,1,1-Trichloroethane	ND		20	23.2	116	20	22.6	113	3	73-124/10
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	19.3	97	20	19.8	99	3	77-123/10
79-00-5	1,1,2-Trichloroethane	ND		20	20.0	100	20	19.8	99	1	77-120/10
120-82-1	1,2,4-Trichlorobenzene	ND		20	19.0	95	20	19.8	99	4	72-123/10
95-63-6	1,2,4-Trimethylbenzene	ND		20	20.3	102	20	20.5	103	1	77-122/10
108-67-8	1,3,5-Trimethylbenzene	ND		20	21.2	106	20	21.4	107	1	79-127/10
127-18-4	Tetrachloroethylene	ND		20	20.3	102	20	20.5	103	1	71-124/10
108-88-3	Toluene	ND		20	20.1	101	20	20.0	100	0	78-120/10
79-01-6	Trichloroethylene	4.8		20	25.3	103	20	25.2	102	0	75-119/10
75-69-4	Trichlorofluoromethane	ND		20	23.4	117	20	22.3	112	5	67-129/14
75-01-4	Vinyl chloride	ND		20	18.1	91	20	17.8	89	2	60-133/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C41111
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
C41111-1MS	W55510.D	1	08/07/15	JC	n/a	n/a	VW2048
C41111-1MSD	W55511.D	1	08/07/15	JC	n/a	n/a	VW2048
C41111-1	W55495.D	1	08/07/15	JC	n/a	n/a	VW2048

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

C41111-1, C41111-2, C41111-3, C41111-4, C41111-5, C41111-6, C41111-7, C41111-8, C41111-9, C41111-10, C41111-11, C41111-12, C41111-13, C41111-14, C41111-15, C41111-16

CAS No.	Compound	C41111-1 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	41.7	104	40	41.2	103	1	78-121/10
95-47-6	o-Xylene	ND		20	20.4	102	20	20.2	101	1	77-123/10

CAS No.	Surrogate Recoveries	MS	MSD	C41111-1	Limits
1868-53-7	Dibromofluoromethane	98%	98%	96%	78-125%
2037-26-5	Toluene-D8	97%	98%	100%	86-114%
460-00-4	4-Bromofluorobenzene	102%	101%	100%	80-113%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C41111
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
D73209-2MS	W55537.D	5	08/10/15	JC	n/a	n/a	VW2049
D73209-2MSD	W55538.D	5	08/10/15	JC	n/a	n/a	VW2049
D73209-2 [a]	W55520.D	5	08/10/15	JC	n/a	n/a	VW2049

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

C41111-17, C41111-18, C41111-19, C41111-20, C41111-21, C41111-22, C41111-23, C41111-24, C41111-25, C41111-26, C41111-27, C41111-28, C41111-29, C41111-30

CAS No.	Compound	D73209-2 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		100	89.8	90	100	88.7	89	1	77-118/10
108-90-7	Chlorobenzene	ND		100	92.6	93	100	91.8	92	1	77-120/10
75-00-3	Chloroethane	ND		100	66.2	66	100	66.3	66	0	63-117/10
67-66-3	Chloroform	ND		100	97.3	97	100	96.5	97	1	74-123/10
56-23-5	Carbon tetrachloride	ND		100	108	108	100	103	103	5	72-128/11
75-34-3	1,1-Dichloroethane	ND		100	87.1	87	100	86.3	86	1	70-120/10
75-35-4	1,1-Dichloroethylene	ND		100	87.6	88	100	84.6	85	3	65-120/11
106-93-4	1,2-Dibromoethane	ND		100	108	108	100	107	107	1	78-123/10
107-06-2	1,2-Dichloroethane	ND		100	113	113	100	111	111	2	72-123/10
78-87-5	1,2-Dichloropropane	ND		100	90.1	90	100	90.6	91	1	76-119/10
75-71-8	Dichlorodifluoromethane	ND		100	76.6	77	100	73.9	74	4	37-149/21
156-59-2	cis-1,2-Dichloroethylene	ND		100	94.1	94	100	94.8	95	1	74-121/10
10061-01-5	cis-1,3-Dichloropropene	ND		100	105	105	100	104	104	1	76-125/10
541-73-1	m-Dichlorobenzene	ND		100	88.0	88	100	88.0	88	0	77-121/10
95-50-1	o-Dichlorobenzene	ND		100	91.2	91	100	92.1	92	1	77-120/10
106-46-7	p-Dichlorobenzene	ND		100	89.6	90	100	89.7	90	0	78-118/10
10061-02-6	trans-1,3-Dichloropropene	ND		100	106	106	100	105	105	1	73-122/10
100-41-4	Ethylbenzene	ND		100	93.4	93	100	91.8	92	2	78-121/10
76-13-1	Freon 113	ND		100	91.2	91	100	83.9	84	8	60-132/17
87-68-3	Hexachlorobutadiene	ND		100	85.3	85	100	87.6	88	3	69-127/11
67-63-0	Isopropyl Alcohol	ND		2000	1730	87	2000	2190	110	23* [b]	52-148/15
74-83-9	Methyl bromide	ND		100	74.6	75	100	75.8	76	2	66-123/10
74-87-3	Methyl chloride	ND		100	74.7	75	100	73.3	73	2	50-138/19
75-09-2	Methylene chloride	ND		100	85.2	85	100	85.8	86	1	65-124/14
100-42-5	Styrene	ND		100	100	100	100	99.8	100	0	74-126/10
71-55-6	1,1,1-Trichloroethane	ND		100	103	103	100	99.0	99	4	73-124/10
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	102	102	100	106	106	4	77-123/10
79-00-5	1,1,2-Trichloroethane	ND		100	102	102	100	103	103	1	77-120/10
120-82-1	1,2,4-Trichlorobenzene	ND		100	83.7	84	100	85.3	85	2	72-123/10
95-63-6	1,2,4-Trimethylbenzene	ND		100	87.4	87	100	87.4	87	0	77-122/10
108-67-8	1,3,5-Trimethylbenzene	ND		100	90.2	90	100	89.5	90	1	79-127/10
127-18-4	Tetrachloroethylene	ND		100	87.7	88	100	86.1	86	2	71-124/10
108-88-3	Toluene	ND		100	90.0	90	100	89.6	90	0	78-120/10
79-01-6	Trichloroethylene	ND		100	94.8	95	100	91.0	91	4	75-119/10
75-69-4	Trichlorofluoromethane	ND		100	98.2	98	100	92.3	92	6	67-129/14
75-01-4	Vinyl chloride	ND		100	76.3	76	100	75.7	76	1	60-133/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C41111
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
D73209-2MS	W55537.D	5	08/10/15	JC	n/a	n/a	VW2049
D73209-2MSD	W55538.D	5	08/10/15	JC	n/a	n/a	VW2049
D73209-2 [a]	W55520.D	5	08/10/15	JC	n/a	n/a	VW2049

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

C41111-17, C41111-18, C41111-19, C41111-20, C41111-21, C41111-22, C41111-23, C41111-24, C41111-25, C41111-26, C41111-27, C41111-28, C41111-29, C41111-30

CAS No.	Compound	D73209-2 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		200	185	93	200	183	92	1	78-121/10
95-47-6	o-Xylene	ND		100	92.3	92	100	91.3	91	1	77-123/10

CAS No.	Surrogate Recoveries	MS	MSD	D73209-2	Limits
1868-53-7	Dibromofluoromethane	102%	102%	98%	78-125%
2037-26-5	Toluene-D8	95%	97%	98%	86-114%
460-00-4	4-Bromofluorobenzene	104%	103%	99%	80-113%

(a) Sample analyzed beyond hold time; reported results are considered minimum values.
(b) Outside laboratory control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C41111
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
C41150-3MS	W55563.D	10	08/11/15	JC	n/a	n/a	VW2050
C41150-3MSD	W55564.D	10	08/11/15	JC	n/a	n/a	VW2050
C41150-3	W55562.D	10	08/11/15	JC	n/a	n/a	VW2050

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

C41111-31

CAS No.	Compound	C41150-3 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	175	88	200	181	91	3	77-118/10
108-90-7	Chlorobenzene	ND		200	181	91	200	186	93	3	77-120/10
75-00-3	Chloroethane	ND		200	132	66	200	133	67	1	63-117/10
67-66-3	Chloroform	ND		200	189	95	200	191	96	1	74-123/10
56-23-5	Carbon tetrachloride	ND		200	207	104	200	212	106	2	72-128/11
75-34-3	1,1-Dichloroethane	ND		200	172	86	200	174	87	1	70-120/10
75-35-4	1,1-Dichloroethylene	ND		200	175	88	200	178	89	2	65-120/11
106-93-4	1,2-Dibromoethane	ND		200	193	97	200	195	98	1	78-123/10
107-06-2	1,2-Dichloroethane	ND		200	204	102	200	205	103	0	72-123/10
78-87-5	1,2-Dichloropropane	ND		200	175	88	200	180	90	3	76-119/10
75-71-8	Dichlorodifluoromethane	ND		200	152	76	200	147	74	3	37-149/21
156-59-2	cis-1,2-Dichloroethylene	18.5		200	207	94	200	208	95	0	74-121/10
10061-01-5	cis-1,3-Dichloropropene	ND		200	190	95	200	192	96	1	76-125/10
541-73-1	m-Dichlorobenzene	ND		200	176	88	200	180	90	2	77-121/10
95-50-1	o-Dichlorobenzene	ND		200	177	89	200	182	91	3	77-120/10
106-46-7	p-Dichlorobenzene	ND		200	177	89	200	182	91	3	78-118/10
10061-02-6	trans-1,3-Dichloropropene	ND		200	184	92	200	185	93	1	73-122/10
100-41-4	Ethylbenzene	ND		200	184	92	200	188	94	2	78-121/10
76-13-1	Freon 113	ND		200	169	85	200	182	91	7	60-132/17
87-68-3	Hexachlorobutadiene	ND		200	151	76	200	166	83	9	69-127/11
67-63-0	Isopropyl Alcohol	ND		4000	3080	77	4000	3760	94	20* [a]	52-148/15
74-83-9	Methyl bromide	ND		200	151	76	200	148	74	2	66-123/10
74-87-3	Methyl chloride	ND		200	148	74	200	147	74	1	50-138/19
75-09-2	Methylene chloride	ND		200	169	85	200	169	85	0	65-124/14
100-42-5	Styrene	ND		200	194	97	200	196	98	1	74-126/10
71-55-6	1,1,1-Trichloroethane	ND		200	201	101	200	201	101	0	73-124/10
79-34-5	1,1,2,2-Tetrachloroethane	ND		200	185	93	200	190	95	3	77-123/10
79-00-5	1,1,2-Trichloroethane	ND		200	188	94	200	188	94	0	77-120/10
120-82-1	1,2,4-Trichlorobenzene	ND		200	145	73	200	154	77	6	72-123/10
95-63-6	1,2,4-Trimethylbenzene	ND		200	177	89	200	184	92	4	77-122/10
108-67-8	1,3,5-Trimethylbenzene	ND		200	184	92	200	190	95	3	79-127/10
127-18-4	Tetrachloroethylene	ND		200	174	87	200	176	88	1	71-124/10
108-88-3	Toluene	ND		200	179	90	200	184	92	3	78-120/10
79-01-6	Trichloroethylene	409		200	585	88	200	579	85	1	75-119/10
75-69-4	Trichlorofluoromethane	ND		200	193	97	200	189	95	2	67-129/14
75-01-4	Vinyl chloride	11.7		200	157	73	200	151	70	4	60-133/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C41111
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
C41150-3MS	W55563.D	10	08/11/15	JC	n/a	n/a	VW2050
C41150-3MSD	W55564.D	10	08/11/15	JC	n/a	n/a	VW2050
C41150-3	W55562.D	10	08/11/15	JC	n/a	n/a	VW2050

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

C41111-31

CAS No.	Compound	C41150-3 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	364	91	400	373	93	2	78-121/10
95-47-6	o-Xylene	ND		200	180	90	200	186	93	3	77-123/10

CAS No.	Surrogate Recoveries	MS	MSD	C41150-3	Limits
1868-53-7	Dibromofluoromethane	100%	97%	96%	78-125%
2037-26-5	Toluene-D8	96%	96%	98%	86-114%
460-00-4	4-Bromofluorobenzene	100%	98%	98%	80-113%

(a) Outside laboratory control limits.

* = 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: C41111
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	GP8192/GN17061	3.0	0.0	ug/l	25	23.1	92.4	85-115%
Perchlorate	GP8209/GN17099	3.0	0.0	ug/l	25	22.8	91.2	85-115%
Perchlorate	GP8213/GN17110	3.0	0.0	ug/l	25	23.7	94.8	85-115%
Specific Conductivity	GN17055	1.0	0.0	umhos/cm				
Specific Conductivity	GN17096	1.0	0.0	umhos/cm				
Specific Conductivity	GN17098	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP8192: C41111-3, C41111-4, C41111-6
Batch GP8209: C41111-1, C41111-2, C41111-5, C41111-7, C41111-8, C41111-9, C41111-10, C41111-11, C41111-12
Batch GP8213: C41111-13, C41111-14, C41111-16, C41111-17, C41111-18, C41111-19, C41111-20, C41111-21, C41111-22, C41111-23, C41111-24, C41111-25, C41111-26, C41111-27
Batch GN17055: C41111-1, C41111-2, C41111-3, C41111-4, C41111-5, C41111-6
Batch GN17096: C41111-7, C41111-8, C41111-9, C41111-10, C41111-11, C41111-12, C41111-13, C41111-14, C41111-16, C41111-17, C41111-18
Batch GN17098: C41111-19, C41111-20, C41111-21, C41111-22, C41111-23, C41111-24, C41111-25, C41111-26, C41111-27
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C41111
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	GP8192/GN17061	ug/l	25	23.6	2.1	
Perchlorate	GP8209/GN17099	ug/l	25	22.9	0.4	
Perchlorate	GP8213/GN17110	ug/l	25	23.9	0.8	

Associated Samples:
Batch GP8192: C41111-3, C41111-4, C41111-6
Batch GP8209: C41111-1, C41111-2, C41111-5, C41111-7, C41111-8, C41111-9, C41111-10, C41111-11, C41111-12
Batch GP8213: C41111-13, C41111-14, C41111-16, C41111-17, C41111-18, C41111-19, C41111-20, C41111-21, C41111-22, C41111-23, C41111-24, C41111-25, C41111-26, C41111-27
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C41111
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	GN17055	C41077-3	umhos/cm	3160	3200	0.9	0-10%
Specific Conductivity	GN17096	C41111-11	umhos/cm	301	300	0.3	0-10%
Specific Conductivity	GN17098	C41111-19	umhos/cm	471	470	0.2	0-10%

Associated Samples:
Batch GN17055: C41111-1, C41111-2, C41111-3, C41111-4, C41111-5, C41111-6
Batch GN17096: C41111-7, C41111-8, C41111-9, C41111-10, C41111-11, C41111-12, C41111-13, C41111-14, C41111-16, C41111-17, C41111-18
Batch GN17098: C41111-19, C41111-20, C41111-21, C41111-22, C41111-23, C41111-24, C41111-25, C41111-26, C41111-27
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C41111
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	GP8192/GN17061	C41034-34	ug/l	2.5	25	27.2	98.8	80-120%
Perchlorate	GP8209/GN17099	C41077-16	ug/l	17.7	25	49.8	128.4N(a)	80-120%
Perchlorate	GP8213/GN17110	C41111-13	ug/l	3.2	25	24.9	86.8	80-120%

Associated Samples:
Batch GP8192: C41111-3, C41111-4, C41111-6
Batch GP8209: C41111-1, C41111-2, C41111-5, C41111-7, C41111-8, C41111-9, C41111-10, C41111-11, C41111-12
Batch GP8213: C41111-13, C41111-14, C41111-16, C41111-17, C41111-18, C41111-19, C41111-20, C41111-21, C41111-22, C41111-23, C41111-24, C41111-25, C41111-26, C41111-27
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery outside of acceptable QC criteria due to matrix inteference. However, LCS/LCSD is within the control limit.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C41111
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	GP8192/GN17061	C41034-34	ug/l	2.5	25	28.0	2.9	15%
Perchlorate	GP8209/GN17099	C41077-16	ug/l	17.7	25	42.8	15.1*(a)	15%
Perchlorate	GP8213/GN17110	C41111-13	ug/l	3.2	25	25.6	2.8	15%

Associated Samples:
Batch GP8192: C41111-3, C41111-4, C41111-6
Batch GP8209: C41111-1, C41111-2, C41111-5, C41111-7, C41111-8, C41111-9, C41111-10, C41111-11, C41111-12
Batch GP8213: C41111-13, C41111-14, C41111-16, C41111-17, C41111-18, C41111-19, C41111-20, C41111-21, C41111-22, C41111-23, C41111-24, C41111-25, C41111-26, C41111-27
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) High RPD due to sample nonhomogeneity.

Northern California
ACCUTEST
LABORATORIES

08/21/15

Technical Report for

United Technology Corporation

ENSTNM: UTC RFF Superfund Site - Rialto, CA

0888817231

Accutest Job Number: C41133

Sampling Date: 08/06/15

Report to:

Ensafe
5724 Summer Trees Road
Memphis, TN 38134
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ATTN: Josh Teves

Total number of pages in report: **36**

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: C41133

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 0888817231

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C41133-1	08/06/15	13:20	MB	08/07/15	AQ	Ground Water	5W13B3G550
C41133-2	08/06/15	12:50	MB	08/07/15	AQ	Ground Water	4W8E2G760
C41133-3	08/06/15	11:55	MB	08/07/15	AQ	Ground Water	5W11F1G940
C41133-4	08/06/15	08:00	MB	08/07/15	AQ	Trip Blank Water	TB1080615

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C41133
Site:	ENSTNM: UTC RFF Superfund Site - Rialto, CA	**Report Date**	8/21/2015 3:11:22 AM

3 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 08/06/2015 and were received at Accutest on 08/07/2015 properly preserved, at 2.1 Deg. C and intact. These Samples received an Accutest job number of C41133. 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:** VW2050

- Sample(s) C41150-3MS, C41150-3MSD were used as the QC samples indicated.
- RPD(s) for MSD for Isopropyl Alcohol are outside laboratory control limits for sample C41150-3MSD.

Matrix: AQ **Batch ID:** VW2051

- Sample(s) C41122-10MS, C41122-10MSD were used as the QC samples indicated.
- RPD(s) for MSD for Isopropyl Alcohol are outside laboratory control limits for sample C41122-10MSD.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP8213

- Sample(s) C41111-13MS, C41111-13MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM2510 B-97

Matrix: AQ **Batch ID:** GN17106

- Sample(s) C41131-1DUP 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: C41133
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 08/06/15

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C41133-1	**5W13B3G550**					
Tetrachloroethylene		0.44 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		4.3	1.0	0.65	ug/l	EPA 314
Specific Conductivity		332	1.0	1.0	umhos/cm	SM2510 B-97
C41133-2	**4W8E2G760**					
1,2-Dichloroethane		1.1	1.0	0.20	ug/l	SW846 8260B
Specific Conductivity		306	1.0	1.0	umhos/cm	SM2510 B-97
C41133-3	**5W11F1G940**					
Specific Conductivity		375	1.0	1.0	umhos/cm	SM2510 B-97
C41133-4	**TB1080615**					

No hits reported in this sample.

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	5W13B3G550		
Lab Sample ID:	C41133-1	**Date Sampled:**	08/06/15
Matrix:	AQ - Ground Water	**Date Received:**	08/07/15
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	W55555.D	1	08/11/15	JC	n/a	n/a	VW2050
Run #2	W55574.D	1	08/11/15	JC	n/a	n/a	VW2051

	Purge Volume
Run #1	10.0 ml
Run #2	10.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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 [a]	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	0.44	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:	C41133-1	**Date Sampled:**	08/06/15
Matrix:	AQ - Ground Water	**Date Received:**	08/07/15
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 [a]	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	94%	78-125%
2037-26-5	Toluene-D8	97%	97%	86-114%
460-00-4	4-Bromofluorobenzene	98%	98%	80-113%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41133-1	**Date Sampled:**	08/06/15
Matrix:	AQ - Ground Water	**Date Received:**	08/07/15
		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	4.3	1.0	0.65	ug/l	1	08/16/15 19:15	PH	EPA 314
Specific Conductivity	332	1.0	1.0	umhos/cm	1	08/16/15 16:00	PH	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:	4W8E2G760		
Lab Sample ID:	C41133-2	**Date Sampled:**	08/06/15
Matrix:	AQ - Ground Water	**Date Received:**	08/07/15
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	W55556.D	1	08/11/15	JC	n/a	n/a	VW2050
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	1.1	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	4W8E2G760		
Lab Sample ID:	C41133-2	**Date Sampled:**	08/06/15
Matrix:	AQ - Ground Water	**Date Received:**	08/07/15
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	93%		78-125%
2037-26-5	Toluene-D8	99%		86-114%
460-00-4	4-Bromofluorobenzene	98%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41133-2	**Date Sampled:**	08/06/15
Matrix:	AQ - Ground Water	**Date Received:**	08/07/15
		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	0.65 U	1.0	0.65	ug/l	1	08/16/15 19:33	PH	EPA 314
Specific Conductivity	306	1.0	1.0	umhos/cm	1	08/16/15 16:00	PH	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:	5W11F1G940		
Lab Sample ID:	C41133-3	**Date Sampled:**	08/06/15
Matrix:	AQ - Ground Water	**Date Received:**	08/07/15
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	W55557.D	1	08/11/15	JC	n/a	n/a	VW2050
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	5W11F1G940		
Lab Sample ID:	C41133-3	**Date Sampled:**	08/06/15
Matrix:	AQ - Ground Water	**Date Received:**	08/07/15
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	91%		78-125%
2037-26-5	Toluene-D8	98%		86-114%
460-00-4	4-Bromofluorobenzene	97%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C41133-3	**Date Sampled:**	08/06/15
Matrix:	AQ - Ground Water	**Date Received:**	08/07/15
		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	0.65 U	1.0	0.65	ug/l	1	08/16/15 19:50	PH	EPA 314
Specific Conductivity	375	1.0	1.0	umhos/cm	1	08/16/15 16:00	PH	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:	TB1080615		
Lab Sample ID:	C41133-4	**Date Sampled:**	08/06/15
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/07/15
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	W55558.D	1	08/11/15	JC	n/a	n/a	VW2050
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	TB1080615		
Lab Sample ID:	C41133-4	**Date Sampled:**	08/06/15
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/07/15
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%		78-125%
2037-26-5	Toluene-D8	98%		86-114%
460-00-4	4-Bromofluorobenzene	99%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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 # 7742 2608 2297
Accutest Quote #
Bottle Order Control #
Accutest NC Job #: C C41133

Client / Reporting Information

Company Name: Ensafe
Address:
City State Zip:
Project Contact: J. Teves
Phone #: 925 305 2109
Samplers's Name: M. Bavishi

Project Information

Project Name: UTC RPF Superfund
Street:
City State:
Project #: 08888 17231
EMAIL:
Client Purchase Order #: 19211

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	8314	8260B
1	5W13 B36-550	8/6	1320	MB	GW	4	3				1				X	X
2	4W8 E26-760	8/6	1230	MB	GW	4	3				1				X	X
3	5W11 F16-940	8/6	1155	MB	GW	4	3				1				X	X
4	TB1080615	8/6	0800	—	WQ	2	2									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 (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 Basic

Comments / Remarks

Normal RLs w/ J Flags
Rush Prelim Electronic Data Summaries
PDF Data Package Level 2
WQ = Water Quality

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

	Relinquished by Sampler:	Date/Time: 8/6 1500	Received By:	Relinquished By:	Date Time: 8-6-15 1700	Received By: Fedex
1						
2						
3	Relinquished by: FEDEX	Date Time: 8/7/15 1010	Received By:	Relinquished By:	Date Time:	Received By:
4						
5	Relinquished by:	Date Time:	Received By:	Custody Seal # INTACT	Appropriate Bottle / Pres. Y / N Labels match Coc? Y / N	Headspace Y / N Separate Receiving Check List used: Y / N

TEMP = 21/21

On Ice Temp: _____ oC

IRVINE

C41133: Chain of Custody

Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C41133 **Client:** ENSAFE **Project:** UTC RFF SUPERFUND

Date / Time Received: 8/7/2015 10:20:00 AM **Delivery Method:** FedEx **Airbill #'s:** 774226892797

Cooler Temps (Initial/Adjusted): #1: (2.1/2.1);

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. 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

C41133: 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: C41133
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
VW2050-MB	W55544.D	1	08/11/15	JC	n/a	n/a	VW2050

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

C41133-1, C41133-2, C41133-3, C41133-4

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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: C41133
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
VW2050-MB	W55544.D	1	08/11/15	JC	n/a	n/a	VW2050

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

C41133-1, C41133-2, C41133-3, C41133-4

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	95%	78-125%
2037-26-5	Toluene-D8	98%	86-114%
460-00-4	4-Bromofluorobenzene	97%	80-113%

Method Blank Summary

Job Number: C41133
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
VW2051-MB	W55571.D	1	08/11/15	JC	n/a	n/a	VW2051

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

C41133-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	93%	78-125%
2037-26-5	Toluene-D8	97%	86-114%
460-00-4	4-Bromofluorobenzene	95%	80-113%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C41133
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
VW2050-BS	W55541.D	1	08/10/15	JC	n/a	n/a	VW2050
VW2050-BSD	W55542.D	1	08/10/15	JC	n/a	n/a	VW2050

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

C41133-1, C41133-2, C41133-3, C41133-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	17.8	89	17.8	89	0	77-118/10
108-90-7	Chlorobenzene	20	18.5	93	18.7	94	1	77-120/10
75-00-3	Chloroethane	20	13.2	66	13.4	67	2	63-117/10
67-66-3	Chloroform	20	18.5	93	18.9	95	2	74-123/10
56-23-5	Carbon tetrachloride	20	20.8	104	20.3	102	2	72-128/11
75-34-3	1,1-Dichloroethane	20	16.9	85	17.5	88	3	70-120/10
75-35-4	1,1-Dichloroethylene	20	17.3	87	17.4	87	1	65-120/11
106-93-4	1,2-Dibromoethane	20	19.4	97	19.6	98	1	78-123/10
107-06-2	1,2-Dichloroethane	20	19.9	100	20.0	100	1	72-123/10
78-87-5	1,2-Dichloropropane	20	17.5	88	17.8	89	2	76-119/10
75-71-8	Dichlorodifluoromethane	20	13.9	70	14.1	71	1	37-149/21
156-59-2	cis-1,2-Dichloroethylene	20	18.5	93	19.3	97	4	74-121/10
10061-01-5	cis-1,3-Dichloropropene	20	19.8	99	19.7	99	1	76-125/10
541-73-1	m-Dichlorobenzene	20	18.4	92	18.4	92	0	77-121/10
95-50-1	o-Dichlorobenzene	20	18.4	92	18.5	93	1	77-120/10
106-46-7	p-Dichlorobenzene	20	18.6	93	18.5	93	1	78-118/10
10061-02-6	trans-1,3-Dichloropropene	20	19.2	96	19.2	96	0	73-122/10
100-41-4	Ethylbenzene	20	19.0	95	19.0	95	0	78-121/10
76-13-1	Freon 113	20	18.0	90	17.8	89	1	60-132/17
87-68-3	Hexachlorobutadiene	20	18.9	95	18.7	94	1	69-127/11
67-63-0	Isopropyl Alcohol	400	329	82	349	87	6	52-148/15
74-83-9	Methyl bromide	20	14.8	74	15.2	76	3	66-123/10
74-87-3	Methyl chloride	20	14.8	74	14.6	73	1	50-138/19
75-09-2	Methylene chloride	20	16.5	83	17.1	86	4	65-124/14
100-42-5	Styrene	20	20.1	101	20.1	101	0	74-126/10
71-55-6	1,1,1-Trichloroethane	20	19.7	99	19.7	99	0	73-124/10
79-34-5	1,1,2,2-Tetrachloroethane	20	18.3	92	18.5	93	1	77-123/10
79-00-5	1,1,2-Trichloroethane	20	18.6	93	19.2	96	3	77-120/10
120-82-1	1,2,4-Trichlorobenzene	20	17.2	86	17.7	89	3	72-123/10
95-63-6	1,2,4-Trimethylbenzene	20	18.8	94	18.6	93	1	77-122/10
108-67-8	1,3,5-Trimethylbenzene	20	19.5	98	19.2	96	2	79-127/10
127-18-4	Tetrachloroethylene	20	18.3	92	18.2	91	1	71-124/10
108-88-3	Toluene	20	18.3	92	18.4	92	1	78-120/10
79-01-6	Trichloroethylene	20	18.3	92	18.2	91	1	75-119/10
75-69-4	Trichlorofluoromethane	20	17.6	88	18.4	92	4	67-129/14
75-01-4	Vinyl chloride	20	15.0	75	15.1	76	1	60-133/15

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C41133
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
VW2050-BS	W55541.D	1	08/10/15	JC	n/a	n/a	VW2050
VW2050-BSD	W55542.D	1	08/10/15	JC	n/a	n/a	VW2050

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

C41133-1, C41133-2, C41133-3, C41133-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	37.9	95	37.8	95	0	78-121/10
95-47-6	o-Xylene	20	18.6	93	18.7	94	1	77-123/10

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	98%	100%	78-125%
2037-26-5	Toluene-D8	97%	97%	86-114%
460-00-4	4-Bromofluorobenzene	99%	99%	80-113%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C41133
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
VW2051-BS	W55568.D	1	08/11/15	JC	n/a	n/a	VW2051
VW2051-BSD	W55569.D	1	08/11/15	JC	n/a	n/a	VW2051

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

C41133-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-63-0	Isopropyl Alcohol	400	370	93	347	87	6	52-148/15
75-01-4	Vinyl chloride	20	15.6	78	15.1	76	3	60-133/15

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	97%	97%	78-125%
2037-26-5	Toluene-D8	97%	96%	86-114%
460-00-4	4-Bromofluorobenzene	99%	97%	80-113%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C41133
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
C41150-3MS	W55563.D	10	08/11/15	JC	n/a	n/a	VW2050
C41150-3MSD	W55564.D	10	08/11/15	JC	n/a	n/a	VW2050
C41150-3	W55562.D	10	08/11/15	JC	n/a	n/a	VW2050

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

C41133-1, C41133-2, C41133-3, C41133-4

CAS No.	Compound	C41150-3 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	175	88	200	181	91	3	77-118/10
108-90-7	Chlorobenzene	ND		200	181	91	200	186	93	3	77-120/10
75-00-3	Chloroethane	ND		200	132	66	200	133	67	1	63-117/10
67-66-3	Chloroform	ND		200	189	95	200	191	96	1	74-123/10
56-23-5	Carbon tetrachloride	ND		200	207	104	200	212	106	2	72-128/11
75-34-3	1,1-Dichloroethane	ND		200	172	86	200	174	87	1	70-120/10
75-35-4	1,1-Dichloroethylene	ND		200	175	88	200	178	89	2	65-120/11
106-93-4	1,2-Dibromoethane	ND		200	193	97	200	195	98	1	78-123/10
107-06-2	1,2-Dichloroethane	ND		200	204	102	200	205	103	0	72-123/10
78-87-5	1,2-Dichloropropane	ND		200	175	88	200	180	90	3	76-119/10
75-71-8	Dichlorodifluoromethane	ND		200	152	76	200	147	74	3	37-149/21
156-59-2	cis-1,2-Dichloroethylene	18.5		200	207	94	200	208	95	0	74-121/10
10061-01-5	cis-1,3-Dichloropropene	ND		200	190	95	200	192	96	1	76-125/10
541-73-1	m-Dichlorobenzene	ND		200	176	88	200	180	90	2	77-121/10
95-50-1	o-Dichlorobenzene	ND		200	177	89	200	182	91	3	77-120/10
106-46-7	p-Dichlorobenzene	ND		200	177	89	200	182	91	3	78-118/10
10061-02-6	trans-1,3-Dichloropropene	ND		200	184	92	200	185	93	1	73-122/10
100-41-4	Ethylbenzene	ND		200	184	92	200	188	94	2	78-121/10
76-13-1	Freon 113	ND		200	169	85	200	182	91	7	60-132/17
87-68-3	Hexachlorobutadiene	ND		200	151	76	200	166	83	9	69-127/11
67-63-0	Isopropyl Alcohol	ND		4000	3080	77	4000	3760	94	20* [a]	52-148/15
74-83-9	Methyl bromide	ND		200	151	76	200	148	74	2	66-123/10
74-87-3	Methyl chloride	ND		200	148	74	200	147	74	1	50-138/19
75-09-2	Methylene chloride	ND		200	169	85	200	169	85	0	65-124/14
100-42-5	Styrene	ND		200	194	97	200	196	98	1	74-126/10
71-55-6	1,1,1-Trichloroethane	ND		200	201	101	200	201	101	0	73-124/10
79-34-5	1,1,2,2-Tetrachloroethane	ND		200	185	93	200	190	95	3	77-123/10
79-00-5	1,1,2-Trichloroethane	ND		200	188	94	200	188	94	0	77-120/10
120-82-1	1,2,4-Trichlorobenzene	ND		200	145	73	200	154	77	6	72-123/10
95-63-6	1,2,4-Trimethylbenzene	ND		200	177	89	200	184	92	4	77-122/10
108-67-8	1,3,5-Trimethylbenzene	ND		200	184	92	200	190	95	3	79-127/10
127-18-4	Tetrachloroethylene	ND		200	174	87	200	176	88	1	71-124/10
108-88-3	Toluene	ND		200	179	90	200	184	92	3	78-120/10
79-01-6	Trichloroethylene	409		200	585	88	200	579	85	1	75-119/10
75-69-4	Trichlorofluoromethane	ND		200	193	97	200	189	95	2	67-129/14
75-01-4	Vinyl chloride	11.7		200	157	73	200	151	70	4	60-133/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C41133
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
C41150-3MS	W55563.D	10	08/11/15	JC	n/a	n/a	VW2050
C41150-3MSD	W55564.D	10	08/11/15	JC	n/a	n/a	VW2050
C41150-3	W55562.D	10	08/11/15	JC	n/a	n/a	VW2050

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

C41133-1, C41133-2, C41133-3, C41133-4

CAS No.	Compound	C41150-3 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	364	91	400	373	93	2	78-121/10
95-47-6	o-Xylene	ND		200	180	90	200	186	93	3	77-123/10

CAS No.	Surrogate Recoveries	MS	MSD	C41150-3	Limits
1868-53-7	Dibromofluoromethane	100%	97%	96%	78-125%
2037-26-5	Toluene-D8	96%	96%	98%	86-114%
460-00-4	4-Bromofluorobenzene	100%	98%	98%	80-113%

(a) Outside laboratory control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C41133
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
C41122-10MS	W55590.D	50	08/11/15	JC	n/a	n/a	VW2051
C41122-10MSD	W55591.D	50	08/11/15	JC	n/a	n/a	VW2051
C41122-10	W55577.D	50	08/11/15	JC	n/a	n/a	VW2051

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

C41133-1

CAS No.	Compound	C41122-10 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-63-0	Isopropyl Alcohol	ND		20000	15200	76	20000	17900	90	16* [a]	52-148/15
75-01-4	Vinyl chloride	964		1000	1650	69	1000	1650	69	0	60-133/15

CAS No.	Surrogate Recoveries	MS	MSD	C41122-10	Limits
1868-53-7	Dibromofluoromethane	99%	102%	97%	78-125%
2037-26-5	Toluene-D8	98%	97%	97%	86-114%
460-00-4	4-Bromofluorobenzene	104%	103%	100%	80-113%

(a) Outside laboratory control limits.

* = 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: C41133
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	GP8213/GN17110	3.0	0.0	ug/l	25	23.7	94.8	85-115%
Specific Conductivity	GN17106	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP8213: C41133-1, C41133-2, C41133-3
Batch GN17106: C41133-1, C41133-2, C41133-3
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C41133
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	GP8213/GN17110	ug/l	25	23.9	0.8	

Associated Samples:
Batch GP8213: C41133-1, C41133-2, C41133-3
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C41133
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	GN17106	C41131-1	umhos/cm	424	420	0.9	0-10%

Associated Samples:
Batch GN17106: C41133-1, C41133-2, C41133-3
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C41133
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	GP8213/GN17110	C41111-13	ug/l	3.2	25	24.9	86.8	80-120%

Associated Samples:
Batch GP8213: C41133-1, C41133-2, C41133-3
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C41133
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	GP8213/GN17110	C41111-13	ug/l	3.2	25	25.6	2.8	15%

Associated Samples:
Batch GP8213: C41133-1, C41133-2, C41133-3
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
ACCUTEST
LABORATORIES

10/29/15

Technical Report for

United Technology Corporation

ENSTNM: UTC RFF Superfund Site - Rialto, CA

08888 17231

Accutest Job Number: C42277

Sampling Dates: 10/12/15 - 10/13/15

Report to:

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

ATTN: Josh Teves

Total number of pages in report: **63**

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: C42277

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 08888 17231

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C42277-1	10/12/15	11:05	MB	10/14/15	AQ	Ground Water	PW14G605
C42277-2	10/12/15	11:35	MB	10/14/15	AQ	Ground Water	PW14G525
C42277-3	10/12/15	11:55	MB	10/14/15	AQ	Ground Water	PW14G425
C42277-4	10/12/15	12:25	MB	10/14/15	AQ	Ground Water	PW14G365
C42277-5	10/12/15	13:00	MB	10/14/15	AQ	Ground Water	PW14G300
C42277-6	10/12/15	13:00	MB	10/14/15	AQ	Ground Water	PW14H300
C42277-7	10/12/15	13:10	MB	10/14/15	AQ	Equipment Blank	EB1101215
C42277-8	10/12/15	08:00	MB	10/14/15	AQ	Trip Blank Water	TB1101215
C42277-9	10/13/15	08:35	MB	10/14/15	AQ	Ground Water	PW13G615
C42277-10	10/13/15	09:10	MB	10/14/15	AQ	Ground Water	PW13G525
C42277-11	10/13/15	09:40	MB	10/14/15	AQ	Ground Water	PW13G475
C42277-12	10/13/15	10:05	MB	10/14/15	AQ	Ground Water	PW13G395
C42277-13	10/13/15	10:40	MB	10/14/15	AQ	Ground Water	PW13G340

Accutest Laboratories

Sample Summary
(continued)

United Technology Corporation

Job No: C42277

ENSTNM: UTC RFF Superfund Site - Rialto, CA
Project No: 08888 17231

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C42277-13D	10/13/15	10:40	MB	10/14/15	AQ	Water Dup/MSD	PW13G340
C42277-13S	10/13/15	10:40	MB	10/14/15	AQ	Water Matrix Spike	PW13G340

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C42277
Site:	ENSTNM: UTC RFF Superfund Site - Rialto, CA	**Report Date**	10/29/2015 6:44:47 P

12 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected between 10/12/2015 and 10/13/2015 and were received at Accutest on 10/14/2015 properly preserved, at 4.1 Deg. C and intact. These Samples received an Accutest job number of C42277. 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:** VW2159

- Sample(s) C42277-13MS, C42277-13MSD were used as the QC samples indicated.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP8537

- Sample(s) C42277-13MS, C42277-13MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM2510 B-97

Matrix: AQ **Batch ID:** GN17678

- Sample(s) C42277-1DUP were used as the QC samples for Specific Conductivity.

Matrix: AQ **Batch ID:** GN17682

- Sample(s) C42277-13DUP 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: C42277
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 10/12/15 thru 10/13/15

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C42277-1	**PW14G605**					
Isopropyl Alcohol		7.3 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		239	1.0	1.0	umhos/cm	SM2510 B-97
C42277-2	**PW14G525**					
Specific Conductivity		272	1.0	1.0	umhos/cm	SM2510 B-97
C42277-3	**PW14G425**					
Isopropyl Alcohol		10.3 J	100	5.0	ug/l	SW846 8260B
Trichloroethylene		0.91 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		49.7	1.0	0.65	ug/l	EPA 314
Specific Conductivity		409	1.0	1.0	umhos/cm	SM2510 B-97
C42277-4	**PW14G365**					
Perchlorate		18.6	1.0	0.65	ug/l	EPA 314
Specific Conductivity		532	1.0	1.0	umhos/cm	SM2510 B-97
C42277-5	**PW14G300**					
Perchlorate		9.7	1.0	0.65	ug/l	EPA 314
Specific Conductivity		407	1.0	1.0	umhos/cm	SM2510 B-97
C42277-6	**PW14H300**					
Isopropyl Alcohol		7.1 J	100	5.0	ug/l	SW846 8260B
Perchlorate		10.2	1.0	0.65	ug/l	EPA 314
Specific Conductivity		408	1.0	1.0	umhos/cm	SM2510 B-97
C42277-7	**EB1101215**					
Isopropyl Alcohol		27.3 J	100	5.0	ug/l	SW846 8260B
Methylene chloride		7.3 J	10	2.0	ug/l	SW846 8260B
Specific Conductivity		1.7	1.0	1.0	umhos/cm	SM2510 B-97
C42277-8	**TB1101215**					
Isopropyl Alcohol		12.1 J	100	5.0	ug/l	SW846 8260B
Methylene chloride		7.6 J	10	2.0	ug/l	SW846 8260B

Summary of Hits

Job Number: C42277
Account: United Technology Corporation
Project: ENSTNM: UTC RFF Superfund Site - Rialto, CA
Collected: 10/12/15 thru 10/13/15

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C42277-9	**PW13G615**					
Isopropyl Alcohol		21.7 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		250	1.0	1.0	umhos/cm	SM2510 B-97
C42277-10	**PW13G525**					
Isopropyl Alcohol		9.8 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		298	1.0	1.0	umhos/cm	SM2510 B-97
C42277-11	**PW13G475**					
Specific Conductivity		204	1.0	1.0	umhos/cm	SM2510 B-97
C42277-12	**PW13G395**					
Isopropyl Alcohol		9.1 J	100	5.0	ug/l	SW846 8260B
Perchlorate		5.6	1.0	0.65	ug/l	EPA 314
Specific Conductivity		283	1.0	1.0	umhos/cm	SM2510 B-97
C42277-13	**PW13G340**					
Isopropyl Alcohol		21.4 J	100	5.0	ug/l	SW846 8260B
Perchlorate		9.5	1.0	0.65	ug/l	EPA 314
Specific Conductivity		416	1.0	1.0	umhos/cm	SM2510 B-97

Northern California
ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	PW14G605		
Lab Sample ID:	C42277-1	**Date Sampled:**	10/12/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
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	W57780.D	1	10/21/15	CV	n/a	n/a	VW2159
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	7.3	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	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C42277-1	**Date Sampled:**	10/12/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
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	98%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	99%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C42277-1	**Date Sampled:**	10/12/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
		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	0.65 U	1.0	0.65	ug/l	1	10/25/15 23:03	PH	EPA 314
Specific Conductivity	239	1.0	1.0	umhos/cm	1	10/29/15 12:15	PH	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:	C42277-2	**Date Sampled:**	10/12/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
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	W57781.D	1	10/21/15	CV	n/a	n/a	VW2159
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	C42277-2	**Date Sampled:**	10/12/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
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%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	97%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C42277-2	**Date Sampled:**	10/12/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
		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	0.65 U	1.0	0.65	ug/l	1	10/25/15 23:21	PH	EPA 314
Specific Conductivity	272	1.0	1.0	umhos/cm	1	10/29/15 12:15	PH	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:	C42277-3	**Date Sampled:**	10/12/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
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	W57782.D	1	10/21/15	CV	n/a	n/a	VW2159
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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	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:	C42277-3	**Date Sampled:**	10/12/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
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	0.91	1.0	0.20	ug/l	J
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		78-125%
2037-26-5	Toluene-D8	102%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C42277-3	**Date Sampled:**	10/12/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
		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	49.7	1.0	0.65	ug/l	1	10/25/15 23:39	PH	EPA 314
Specific Conductivity	409	1.0	1.0	umhos/cm	1	10/29/15 12:15	PH	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:	C42277-4	**Date Sampled:**	10/12/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
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	W57783.D	1	10/21/15	CV	n/a	n/a	VW2159
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	C42277-4	**Date Sampled:**	10/12/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
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%		78-125%
2037-26-5	Toluene-D8	101%		86-114%
460-00-4	4-Bromofluorobenzene	99%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C42277-4	**Date Sampled:**	10/12/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
		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	0.65	ug/l	1	10/25/15 23:57	PH	EPA 314
Specific Conductivity	532	1.0	1.0	umhos/cm	1	10/29/15 12:15	PH	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:	C42277-5	**Date Sampled:**	10/12/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
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	W57784.D	1	10/21/15	CV	n/a	n/a	VW2159
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	C42277-5	**Date Sampled:**	10/12/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
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%		78-125%
2037-26-5	Toluene-D8	99%		86-114%
460-00-4	4-Bromofluorobenzene	98%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C42277-5	**Date Sampled:**	10/12/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
		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	9.7	1.0	0.65	ug/l	1	10/26/15 01:08	PH	EPA 314
Specific Conductivity	407	1.0	1.0	umhos/cm	1	10/29/15 12:15	PH	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:	PW14H300		
Lab Sample ID:	C42277-6	**Date Sampled:**	10/12/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
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	W57785.D	1	10/21/15	CV	n/a	n/a	VW2159
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	7.1	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:	PW14H300		
Lab Sample ID:	C42277-6	**Date Sampled:**	10/12/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
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%		78-125%
2037-26-5	Toluene-D8	101%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

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

Report of Analysis

Client Sample ID:	PW14H300		
Lab Sample ID:	C42277-6	**Date Sampled:**	10/12/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
		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	10.2	1.0	0.65	ug/l	1	10/26/15 01:26	PH	EPA 314
Specific Conductivity	408	1.0	1.0	umhos/cm	1	10/29/15 12:15	PH	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:	EB1101215		
Lab Sample ID:	C42277-7	**Date Sampled:**	10/12/15
Matrix:	AQ - Equipment Blank	**Date Received:**	10/14/15
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	W57775.D	1	10/21/15	CV	n/a	n/a	VW2159
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	27.3	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	7.3	10	2.0	ug/l	J
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	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:	EB1101215		
Lab Sample ID:	C42277-7	**Date Sampled:**	10/12/15
Matrix:	AQ - Equipment Blank	**Date Received:**	10/14/15
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%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	99%		80-113%

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

Report of Analysis

Client Sample ID:	EB1101215		
Lab Sample ID:	C42277-7	**Date Sampled:**	10/12/15
Matrix:	AQ - Equipment Blank	**Date Received:**	10/14/15
		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	0.65 U	1.0	0.65	ug/l	1	10/26/15 00:14	PH	EPA 314
Specific Conductivity	1.7	1.0	1.0	umhos/cm	1	10/29/15 12:15	PH	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:	TB1101215		
Lab Sample ID:	C42277-8	**Date Sampled:**	10/12/15
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/14/15
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	W57774.D	1	10/21/15	CV	n/a	n/a	VW2159
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	12.1	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	7.6	10	2.0	ug/l	J
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	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:	TB1101215		
Lab Sample ID:	C42277-8	**Date Sampled:**	10/12/15
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/14/15
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%		78-125%
2037-26-5	Toluene-D8	99%		86-114%
460-00-4	4-Bromofluorobenzene	98%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C42277-9	**Date Sampled:**	10/13/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
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	W57786.D	1	10/21/15	CV	n/a	n/a	VW2159
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	21.7	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:	PW13G615		
Lab Sample ID:	C42277-9	**Date Sampled:**	10/13/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
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%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	99%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C42277-9	**Date Sampled:**	10/13/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
		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	0.65 U	1.0	0.65	ug/l	1	10/26/15 01:44	PH	EPA 314
Specific Conductivity	250	1.0	1.0	umhos/cm	1	10/29/15 12:15	PH	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:	C42277-10	**Date Sampled:**	10/13/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
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	W57787.D	1	10/21/15	CV	n/a	n/a	VW2159
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	PW13G525		
Lab Sample ID:	C42277-10	**Date Sampled:**	10/13/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
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%		78-125%
2037-26-5	Toluene-D8	100%		86-114%
460-00-4	4-Bromofluorobenzene	99%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C42277-10	**Date Sampled:**	10/13/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
		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	0.65 U	1.0	0.65	ug/l	1	10/26/15 02:02	PH	EPA 314
Specific Conductivity	298	1.0	1.0	umhos/cm	1	10/29/15 12:15	PH	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:	C42277-11	**Date Sampled:**	10/13/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
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	W57788.D	1	10/21/15	CV	n/a	n/a	VW2159
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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:	C42277-11	**Date Sampled:**	10/13/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
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%		78-125%
2037-26-5	Toluene-D8	102%		86-114%
460-00-4	4-Bromofluorobenzene	100%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C42277-11	**Date Sampled:**	10/13/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
		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	0.65 U	1.0	0.65	ug/l	1	10/26/15 02:19	PH	EPA 314
Specific Conductivity	204	1.0	1.0	umhos/cm	1	10/29/15 12:15	PH	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:	C42277-12	**Date Sampled:**	10/13/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
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	W57789.D	1	10/21/15	CV	n/a	n/a	VW2159
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 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	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:	PW13G395		
Lab Sample ID:	C42277-12	**Date Sampled:**	10/13/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
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%		78-125%
2037-26-5	Toluene-D8	101%		86-114%
460-00-4	4-Bromofluorobenzene	98%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C42277-12	**Date Sampled:**	10/13/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
		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	5.6	1.0	0.65	ug/l	1	10/26/15 02:37	PH	EPA 314
Specific Conductivity	283	1.0	1.0	umhos/cm	1	10/29/15 15:00	HD	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:	PW13G340		
Lab Sample ID:	C42277-13	**Date Sampled:**	10/13/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
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	W57790.D	1	10/21/15	CV	n/a	n/a	VW2159
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	21.4	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:	PW13G340		
Lab Sample ID:	C42277-13	**Date Sampled:**	10/13/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
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%		78-125%
2037-26-5	Toluene-D8	102%		86-114%
460-00-4	4-Bromofluorobenzene	99%		80-113%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte 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:	C42277-13	**Date Sampled:**	10/13/15
Matrix:	AQ - Ground Water	**Date Received:**	10/14/15
		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	9.5	1.0	0.65	ug/l	1	10/26/15 02:55	PH	EPA 314
Specific Conductivity	416	1.0	1.0	umhos/cm	1	10/29/15 15:00	HD	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

CHAIN OF CUSTODY

Pg 1 | 2

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

FEDEX TRACKING # 7747 2898 845 | Bottle Order Control #
Accutest Quote # | Accutest NC Job #: C C42277

Client / Reporting Information

Company Name: EnSafe Inc
Address: 2151 Salvio st. #301
City: Concord State: Ca Zip: 94520
Project Contact: J. Teves
Phone #: 925 305 2109
Samplers's Name: M. Barishi

Project Information

Project Name: UTC RFF Superfund
Street:
City: Rialto State: Ca
Project #: 08888 17231
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	VOC 8260	Perchlorate E314
1	PW146-605	10/12	1105	MB	GW	4	3				1				X	X
2	PW146-525	10/12	1135	MB	GW	4	3				1				X	X
3	PW146-425	10/12	1155	MB	GW	4	3				1				X	X
4	PW146-305	10/12	1225	MB	GW	4	3				1				X	X
5	PW146-300	10/12	1300	MB	GW	4	3				1				X	X
6	PW141H300	10/12	1300	MB	GW	4	3				1				X	X
7	EB101215	10/12	1310	MB	WQ	4	3				1				X	X
8	TB101215	10/12	0800	MB	WQ	2	2								X	
9	PW136-615	10/13	0835	MB	GW	4	3				1				X	X
10	PW136-525	10/13	0910	MB	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)

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:
- [X] EnSafe 3-File Eqis

Comments / Remarks

WQ: Water Quality
Normal RLs w/ J flags
Prelim 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	10/13/15 1430	1 1430	2	10-13 1800	2 FEDEX
3 FEDEX	10/14/15 1000	4			
5		5			

Custody Seal # INTACT | Appropriate Bottle / Pres. Y / N | Headspace Y / N | On Ice Y / N | Cooler Temp. 4.1 | 4.1
Labels match Coc? Y / N | Separate Receiving Check List used: Y / N

IRVINE

B

5.1 5

C42277: Chain of Custody
Page 1 of 3

CHAIN OF CUSTODY

Pg. 2/2

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 C42277

Client / Reporting Information

Company Name: Ensafe, Inc
Address: 2151 Salvio St. #301
City / State / Zip: Concord Ca 94520
Project Contact: J. Teves
Phone #: 925 305 2109
Samplers's Name: M. Bavishi

Project Information

Project Name: UTK RFF Superfund
Street:
City / State: Rialto, Ca
Project #: 08881723 1
EMAIL: jteves@ensafe.com
Client Purchase Order #:

Requested Analysis

VOC 8260
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	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	VOC 8260	Perchlorate E314	LAB USE ONLY
11	PW136475	10/13	0940	MB	GW	4	3				1				X	X	
12	PW136395	10/13	1005	MB	GW	4	3				1				X	X	
13	PW136340	10/13	1040	MB	GW	12	9				3				X	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:
- [X] Ensafe 3-file Eqlis

Comments / Remarks

* PW136340 contains Volume for MS/MSD
Normal RLs w/ J Flags
Prelim 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	10/13/15 1430	1 10-13 1430	2	10-13 1800	2 FedEx
Relinquished by: 3 FedEx	Date Time: 10/14/15 1000	Received By:	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 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. ____ oC

IRVINE

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C42277: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C42277 **Client:** ENSAFE **Project:** UTC RFF SUPERFUND

Date / Time Received: 10/14/2015 10:00:00 AM **Delivery Method:** FedEx **Airbill #'s:** 774728988451

Cooler Temps (Initial/Adjusted): #1: (4.1/4.1);

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. 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

C42277: 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: C42277
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
VW2159-MB	W57773.D	1	10/21/15	CV	n/a	n/a	VW2159

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

C42277-1, C42277-2, C42277-3, C42277-4, C42277-5, C42277-6, C42277-7, C42277-8, C42277-9, C42277-10, C42277-11, C42277-12, C42277-13

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: C42277
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
VW2159-MB	W57773.D	1	10/21/15	CV	n/a	n/a	VW2159

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

C42277-1, C42277-2, C42277-3, C42277-4, C42277-5, C42277-6, C42277-7, C42277-8, C42277-9, C42277-10, C42277-11, C42277-12, C42277-13

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	78-125%
2037-26-5	Toluene-D8	99%	86-114%
460-00-4	4-Bromofluorobenzene	97%	80-113%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C42277
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
VW2159-BS	W57770.D	1	10/21/15	CV	n/a	n/a	VW2159
VW2159-BSD	W57771.D	1	10/21/15	CV	n/a	n/a	VW2159

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

C42277-1, C42277-2, C42277-3, C42277-4, C42277-5, C42277-6, C42277-7, C42277-8, C42277-9, C42277-10, C42277-11, C42277-12, C42277-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	18.6	93	18.4	92	1	77-118/10
108-90-7	Chlorobenzene	20	18.3	92	18.0	90	2	77-120/10
75-00-3	Chloroethane	20	18.4	92	17.3	87	6	63-117/10
67-66-3	Chloroform	20	17.9	90	17.6	88	2	74-123/10
56-23-5	Carbon tetrachloride	20	16.9	85	17.2	86	2	72-128/11
75-34-3	1,1-Dichloroethane	20	18.2	91	17.9	90	2	70-120/10
75-35-4	1,1-Dichloroethylene	20	17.3	87	17.7	89	2	65-120/11
106-93-4	1,2-Dibromoethane	20	19.3	97	19.3	97	0	78-123/10
107-06-2	1,2-Dichloroethane	20	17.6	88	17.3	87	2	72-123/10
78-87-5	1,2-Dichloropropane	20	20.4	102	20.0	100	2	76-119/10
75-71-8	Dichlorodifluoromethane	20	19.0	95	17.3	87	9	37-149/21
156-59-2	cis-1,2-Dichloroethylene	20	20.0	100	19.8	99	1	74-121/10
10061-01-5	cis-1,3-Dichloropropene	20	20.7	104	20.3	102	2	76-125/10
541-73-1	m-Dichlorobenzene	20	18.4	92	18.1	91	2	77-121/10
95-50-1	o-Dichlorobenzene	20	18.6	93	18.3	92	2	77-120/10
106-46-7	p-Dichlorobenzene	20	18.5	93	18.1	91	2	78-118/10
10061-02-6	trans-1,3-Dichloropropene	20	19.2	96	18.9	95	2	73-122/10
100-41-4	Ethylbenzene	20	18.3	92	18.2	91	1	78-121/10
76-13-1	Freon 113	20	16.8	84	17.5	88	4	60-132/17
87-68-3	Hexachlorobutadiene	20	17.5	88	17.9	90	2	69-127/11
67-63-0	Isopropyl Alcohol	400	499	125	511	128	2	52-148/15
74-83-9	Methyl bromide	20	19.6	98	18.8	94	4	66-123/10
74-87-3	Methyl chloride	20	17.5	88	17.3	87	1	50-138/19
75-09-2	Methylene chloride	20	18.5	93	18.4	92	1	65-124/14
100-42-5	Styrene	20	19.3	97	19.1	96	1	74-126/10
71-55-6	1,1,1-Trichloroethane	20	17.1	86	17.2	86	1	73-124/10
79-34-5	1,1,2,2-Tetrachloroethane	20	21.3	107	21.2	106	0	77-123/10
79-00-5	1,1,2-Trichloroethane	20	19.3	97	19.3	97	0	77-120/10
120-82-1	1,2,4-Trichlorobenzene	20	19.1	96	19.2	96	1	72-123/10
95-63-6	1,2,4-Trimethylbenzene	20	18.4	92	18.2	91	1	77-122/10
108-67-8	1,3,5-Trimethylbenzene	20	19.3	97	19.1	96	1	79-127/10
127-18-4	Tetrachloroethylene	20	17.9	90	17.7	89	1	71-124/10
108-88-3	Toluene	20	18.3	92	18.0	90	2	78-120/10
79-01-6	Trichloroethylene	20	17.5	88	17.3	87	1	75-119/10
75-69-4	Trichlorofluoromethane	20	19.2	96	17.7	89	8	67-129/14
75-01-4	Vinyl chloride	20	20.6	103	18.6	93	10	60-133/15

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C42277
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
VW2159-BS	W57770.D	1	10/21/15	CV	n/a	n/a	VW2159
VW2159-BSD	W57771.D	1	10/21/15	CV	n/a	n/a	VW2159

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

C42277-1, C42277-2, C42277-3, C42277-4, C42277-5, C42277-6, C42277-7, C42277-8, C42277-9, C42277-10, C42277-11, C42277-12, C42277-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	36.4	91	36.0	90	1	78-121/10
95-47-6	o-Xylene	20	18.3	92	18.1	91	1	77-123/10

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	99%	100%	78-125%
2037-26-5	Toluene-D8	100%	100%	86-114%
460-00-4	4-Bromofluorobenzene	99%	98%	80-113%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C42277
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
C42277-13MS	W57792.D	1	10/21/15	CV	n/a	n/a	VW2159
C42277-13MSD	W57793.D	1	10/21/15	CV	n/a	n/a	VW2159
C42277-13	W57790.D	1	10/21/15	CV	n/a	n/a	VW2159

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

C42277-1, C42277-2, C42277-3, C42277-4, C42277-5, C42277-6, C42277-7, C42277-8, C42277-9, C42277-10, C42277-11, C42277-12, C42277-13

CAS No.	Compound	C42277-13 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	20.5	103	20	20.3	102	1	77-118/10
108-90-7	Chlorobenzene	ND		20	19.3	97	20	19.3	97	0	77-120/10
75-00-3	Chloroethane	ND		20	22.6	113	20	21.8	109	4	63-117/10
67-66-3	Chloroform	ND		20	20.3	102	20	19.7	99	3	74-123/10
56-23-5	Carbon tetrachloride	ND		20	20.5	103	20	20.7	104	1	72-128/11
75-34-3	1,1-Dichloroethane	ND		20	20.9	105	20	20.2	101	3	70-120/10
75-35-4	1,1-Dichloroethylene	ND		20	22.4	112	20	21.0	105	6	65-120/11
106-93-4	1,2-Dibromoethane	ND		20	19.7	99	20	19.4	97	2	78-123/10
107-06-2	1,2-Dichloroethane	ND		20	19.7	99	20	19.0	95	4	72-123/10
78-87-5	1,2-Dichloropropane	ND		20	21.8	109	20	21.9	110	0	76-119/10
75-71-8	Dichlorodifluoromethane	ND		20	26.2	131	20	25.3	127	3	37-149/21
156-59-2	cis-1,2-Dichloroethylene	ND		20	21.7	109	20	21.2	106	2	74-121/10
10061-01-5	cis-1,3-Dichloropropene	ND		20	21.5	108	20	21.0	105	2	76-125/10
541-73-1	m-Dichlorobenzene	ND		20	19.0	95	20	19.0	95	0	77-121/10
95-50-1	o-Dichlorobenzene	ND		20	19.1	96	20	19.2	96	1	77-120/10
106-46-7	p-Dichlorobenzene	ND		20	19.1	96	20	18.9	95	1	78-118/10
10061-02-6	trans-1,3-Dichloropropene	ND		20	19.9	100	20	19.2	96	4	73-122/10
100-41-4	Ethylbenzene	ND		20	20.2	101	20	20.2	101	0	78-121/10
76-13-1	Freon 113	ND		20	19.9	100	20	20.3	102	2	60-132/17
87-68-3	Hexachlorobutadiene	ND		20	18.3	92	20	19.6	98	7	69-127/11
67-63-0	Isopropyl Alcohol	21.4	J	400	578	139	400	539	129	7	52-148/15
74-83-9	Methyl bromide	ND		20	23.0	115	20	22.3	112	3	66-123/10
74-87-3	Methyl chloride	ND		20	22.2	111	20	21.9	110	1	50-138/19
75-09-2	Methylene chloride	ND		20	19.9	100	20	19.2	96	4	65-124/14
100-42-5	Styrene	ND		20	20.2	101	20	20.2	101	0	74-126/10
71-55-6	1,1,1-Trichloroethane	ND		20	20.3	102	20	20.3	102	0	73-124/10
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	21.5	108	20	21.2	106	1	77-123/10
79-00-5	1,1,2-Trichloroethane	ND		20	20.2	101	20	19.9	100	1	77-120/10
120-82-1	1,2,4-Trichlorobenzene	ND		20	18.8	94	20	19.8	99	5	72-123/10
95-63-6	1,2,4-Trimethylbenzene	ND		20	19.7	99	20	19.9	100	1	77-122/10
108-67-8	1,3,5-Trimethylbenzene	ND		20	20.9	105	20	21.0	105	0	79-127/10
127-18-4	Tetrachloroethylene	ND		20	19.4	97	20	19.4	97	0	71-124/10
108-88-3	Toluene	ND		20	19.7	99	20	19.8	99	1	78-120/10
79-01-6	Trichloroethylene	ND		20	19.6	98	20	19.4	97	1	75-119/10
75-69-4	Trichlorofluoromethane	ND		20	24.3	122	20	24.3	122	0	67-129/14
75-01-4	Vinyl chloride	ND		20	26.4	132	20	25.3	127	4	60-133/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C42277
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
C42277-13MS	W57792.D	1	10/21/15	CV	n/a	n/a	VW2159
C42277-13MSD	W57793.D	1	10/21/15	CV	n/a	n/a	VW2159
C42277-13	W57790.D	1	10/21/15	CV	n/a	n/a	VW2159

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

C42277-1, C42277-2, C42277-3, C42277-4, C42277-5, C42277-6, C42277-7, C42277-8, C42277-9, C42277-10, C42277-11, C42277-12, C42277-13

CAS No.	Compound	C42277-13 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	39.3	98	40	39.4	99	0	78-121/10
95-47-6	o-Xylene	ND		20	19.5	98	20	19.8	99	2	77-123/10

CAS No.	Surrogate Recoveries	MS	MSD	C42277-13	Limits
1868-53-7	Dibromofluoromethane	103%	102%	100%	78-125%
2037-26-5	Toluene-D8	101%	101%	102%	86-114%
460-00-4	4-Bromofluorobenzene	102%	101%	99%	80-113%

* = 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: C42277
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	GP8537/GN17653	3.0	0.0	ug/l	25	24.9	99.6	85-115%
Specific Conductivity	GN17678	1.0	0.0	umhos/cm				
Specific Conductivity	GN17682	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP8537: C42277-1, C42277-2, C42277-3, C42277-4, C42277-5, C42277-6, C42277-7, C42277-9, C42277-10, C42277-11, C42277-12, C42277-13
Batch GN17678: C42277-1, C42277-2, C42277-3, C42277-4, C42277-5, C42277-6, C42277-7, C42277-9, C42277-10, C42277-11
Batch GN17682: C42277-12, C42277-13
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C42277
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	GP8537/GN17653	ug/l	25	24.8	0.4	10%

Associated Samples:
Batch GP8537: C42277-1, C42277-2, C42277-3, C42277-4, C42277-5, C42277-6, C42277-7, C42277-9, C42277-10, C42277-11, C42277-12, C42277-13
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C42277
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	GN17678	C42277-1	umhos/cm	239	239	0.0	0-10%
Specific Conductivity	GN17682	C42277-13	umhos/cm	416	413	0.7	0-10%

Associated Samples:
Batch GN17678: C42277-1, C42277-2, C42277-3, C42277-4, C42277-5, C42277-6, C42277-7, C42277-9, C42277-10, C42277-11
Batch GN17682: C42277-12, C42277-13
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C42277
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	GP8537/GN17653	C42277-13	ug/l	9.5	25	31.7	88.8	80-120%

Associated Samples:
Batch GP8537: C42277-1, C42277-2, C42277-3, C42277-4, C42277-5, C42277-6, C42277-7, C42277-9, C42277-10, C42277-11, C42277-12, C42277-13
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C42277
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	GP8537/GN17653	C42277-13	ug/l	9.5	25	31.4	1.0	15%

Associated Samples:
Batch GP8537: C42277-1, C42277-2, C42277-3, C42277-4, C42277-5, C42277-6, C42277-7, C42277-9, C42277-10, C42277-11, C42277-12, C42277-13
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits