Environmental Resources Management

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26 September 2013

Via Electronic Mail

Mr. Wayne Praskins
Remedial Project Manager
United States Environmental Protection Agency
Region 9
75 Hawthorne Street
San Francisco, CA 94105

Subject: Final Remedial Design Investigation Report
Source Area Operable Unit, B.F. Goodrich Superfund Site

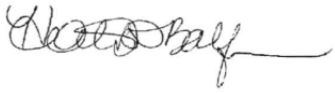
Dear Mr. Praskins:

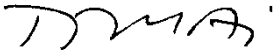
On behalf of Emhart Industries, Inc. (Emhart), ERM-West, Inc. (ERM) submits this Final Remedial Design Investigation Report for the Source Area Operable Unit at the B.F. Goodrich Superfund Site. These activities were associated with implementing remedial actions described in the Statement of Work for Remedial Design and Remedial Action for the Source Area Operable Unit, B.F. Goodrich Superfund Site (Statement of Work), which is Appendix F to the Consent Decree entered by the U.S. District Court for the Central District of California in *City of Colton v. American Promotional Events, Inc. et al.*, Case No. ED CV 09-01864 PSG (SSx) on 2 July 2013 (Doc. No. 1820).

This Remedial Design Investigation Report was modified based on comments (dated 27 August 2013) provided by USEPA on the draft document, Emhart's responses (dated 9 September 2013) to those comments, and USEPA's approval (dated 11 September 2013) of the responses. In addition, the figures in the attached final report have been updated from the draft document version to correct errors in the previous posted location of monitoring well N-20 and posted concentrations for monitoring wells CMW-02A and CMW-02C.

If you have any questions or concerns, please contact Mr. Truong Mai at (949) 623-4700 or Ms. Heather Balfour at (916) 924-9378.

Sincerely,





Heather D. Balfour, P.E.
Project Manager

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Partner

Attachment

cc:
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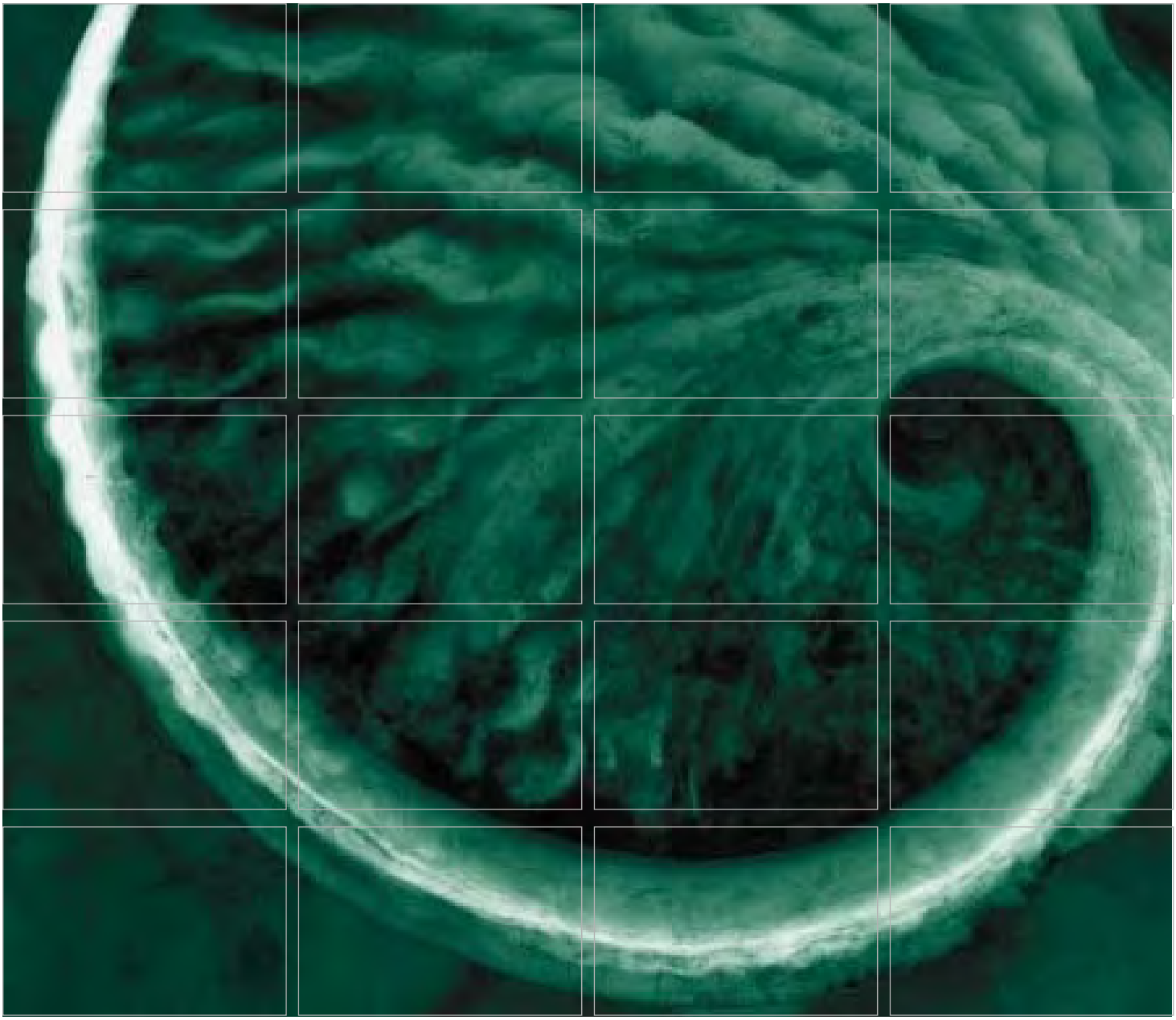

Prepared for:
Emhart Industries, Inc.

Remedial Design Investigation Report

Source Area Operable Unit
B.F. Goodrich Superfund Site
EPA ID: CAN000905945

September 2013

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Emhart Industries, Inc.

Remedial Design Investigation Report

Source Area Operable Unit
B.F. Goodrich Superfund Site
EPA ID: CAN000905945

September 2013

Project No. 0179962

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LIST OF ACRONYMS

µg/L	Micrograms per liter
CoC	Chain-of-Custody
COC	Constituents of concern
DO	Dissolved oxygen
ERM	ERM-West, Inc.
MCL	Maximum Contaminant Level
MDL	Method detection limit
ORP	Oxidation/Reduction potential
QC	Quality control
RCB	Rialto-Colton Groundwater Basin
ROD	Record of Decision
SAOU	Source Area Operable Unit
SAP	Sampling and Analysis Plan
SOW	Statement of Work
TCE	Trichloroethene
USEPA	U.S. Environmental Protection Agency
VOC	Volatile organic compound

1.0 INTRODUCTION

On behalf of Emhart Industries, Inc. (Emhart), ERM-West, Inc. (ERM) has prepared this report to summarize remedial design investigation activities at the Source Area Operable Unit (SAOU) at the B.F. Goodrich Superfund Site (site). This report is submitted in accordance with the *Statement of Work for Remedial Design and Remedial Action for the Source Area Operable Unit, B.F. Goodrich Superfund Site* (Statement of Work), which is Appendix F to the Consent Decree that was lodged on 4 December 2012 with the U.S. District Court for the Central District of California in *City of Colton v. American Promotional Events, Inc. et al.,* Case No. ED CV 09-01864 PSG (SSx) (Work Consent Decree). This remedial design investigation was performed to support Emhart's implementation of its obligations under the Work Consent Decree (the "Work").

The objective of the remedial design investigation activities is to provide current water level measurements and volatile organic compound (VOC) and perchlorate concentration data for wells within the SAOU to support remedial design.

The remedial design investigation activities were conducted consistent with the Sampling and Analysis Plan (SAP) (ERM, 2013b) approved by the U.S. Environmental Protection Agency (USEPA).

1.1 SITE LOCATION

The site is located in San Bernardino County, California, approximately 60 miles east of the city of Los Angeles (Figure 1). The site includes a 160-acre area in Rialto, California where VOCs and perchlorate have impacted soil and groundwater, and all areas where contamination from the 160-acre area has come to be located, including, but not limited to, groundwater contamination downgradient of the 160-acre area. Most or all of the site is located in the Rialto-Colton Groundwater Basin (RCB).

1.2 SOURCE AREA OPERABLE UNIT DESCRIPTION

The SAOU is the first operable unit at the site and was the focus of the remedial design investigation activities. The SAOU Target Area includes a portion of the aquifer where perchlorate and trichloroethene (TCE) are detected in groundwater at concentrations exceeding their respective Maximum Contaminant Levels (MCLs).

As defined in Section 2.4.8 of the 2010 Record of Decision (ROD; USEPA, 2010), the Target Area Includes:

- The portion of the Intermediate Aquifer impacted with perchlorate or TCE, at concentrations greater than their respective MCLs;
- The underlying portion of the Regional Aquifer impacted with perchlorate or TCE above MCLs; and
- The additional portion of the Regional Aquifer extending downgradient to where the Intermediate and Regional aquifers merge.

A detailed description of site background and a site conceptual model are provided in ERM's Draft Groundwater Flow Modeling Report (ERM, 2013a).

1.3 REPORT ORGANIZATION

After this introductory section, this report is organized as follows:

- Section 2.0 describes remedial design investigation activities;
- Section 3.0 summarizes groundwater monitoring results;
- Section 4.0 provides recommendations for future monitoring; and
- Section 5.0 presents a list of references used in the preparation of this report.

Appendices to this report include:

- Appendix A — Field Notes;
- Appendix B — Chain-of-Custody Forms and Laboratory Data;
- Appendix C — Data Validation Reports; and
- Appendix D - USEPA's comments on the draft Remedial Design Investigation Report, Emhart's responses, and USEPA's approval of the responses.

2.0 *SUMMARY OF FIELD ACTIVITIES*

This section summarizes groundwater monitoring activities performed for the remedial design investigation in accordance with the SAP (ERM, 2013b). Field activities were performed by Blaine Tech Services, Inc., subcontracted by ERM, between 20 and 24 May 2013 and Geo-Logic Associates (GLA), under contract with San Bernardino County, between 13 and 14 May 2013.

2.1 *FIELD PROCEDURES*

The following tasks were completed during the groundwater monitoring event:

- Calibrated field equipment;
- Measured water levels;
- Measured field water quality parameters; and
- Collected groundwater samples for laboratory analysis.

Groundwater sampling locations are identified on the site plan (Figure 2); groundwater sampling results are summarized in Section 3.0.

2.2 *WATER LEVELS*

With the exception of the Westbay multiport wells, water level measurements were collected at each well using a decontaminated water level meter. Measurements were collected from a marked reference point at the top of each well casing and recorded on field data sheets to the nearest 0.01 foot.

Water level measurements were collected at Westbay multiport wells using the protocol described in the SAP (ERM, 2013b). Pressure measurements were collected from the measurement ports during sampling and were used to calculate the depth to water using Westbay Method A (Schlumberger Canada Limited, 2009), as recommended by the manufacturer.

To simplify well access issues and conduct work in the most efficient manner, GLA and ERM agreed that GLA would collect water level data from the County Remedy wells, then provide that data to ERM[1]. Water levels are presented in Table 1 for production, nested and conventional monitoring wells and Table 2 for Westbay multiport wells.

2.3 *WATER QUALITY SAMPLING*

Water quality samples were collected per the sample collection guidelines identified in the SAP (ERM, 2013b) and are described in detail below.

2.3.1 *Conventional Monitoring Well Sampling*

Groundwater samples were collected from conventional wells using HYDRASleeve™ sampling methodology. The HYDRASleeve Standard Operating Procedures (GeoInsight Inc., 2010), included in Appendix C4 of the SAP, contains diagrams illustrating the steps required for HYDRASleeve sampler deployment, retrieval, and sample recovery.

The following steps were taken to deploy and retrieve the HYDRASleeve sampler:

2.3.1.1 *Sampler Assembly/Deployment Steps*

1. Removed the sampler from the packaging and creased the reinforced fins outward to open the top of the sampler.
2. Attached a calibrated tether to one of the holes at the top of the sampler.
3. Folded the bottom of the sampler, aligning the two holes, and attached the weight using the stainless steel clip.
4. Lowered the weighted sampler to the middle of the well screen interval.
5. Secured the sampler at the top of the well by attaching the tether to the well cap. Once the sampler was secured at the surface, the well was given a minimum of 24 hours to equilibrate before the sample was collected.

---

1 USEPA was notified and concurred with this approach (phone conversation between Wayne Praskins and Heather Balfour).

2.3.1.2 *Sampler Retrieval / Sample Collection Steps*

1. The sampler was pulled upward (out of the well) at a rate of 1 to 2 feet per second.
2. Once the sampler was at the surface, it was grabbed just below the top to expel water resting on top of the check valve.
3. The sampler was punctured approximately 3 to 4 inches below the white reinforcing strips located at the top of the sampler.
4. Water was decanted from the sampler through the discharge tube into the appropriate containers for desired laboratory analysis.

In accordance with the SAP (ERM, 2013b), the following field parameters were collected during sampling to ensure the samples collected were representative of formation groundwater:

- Temperature;
- pH;
- Turbidity;
- Oxidation/Reduction potential (ORP);
- Electrical conductivity; and
- Dissolved oxygen (DO).

Field parameter data are presented on the groundwater well sample field logs included in Appendix A.

2.3.2 *Westbay Multiport Wells*

Groundwater samples were collected from Westbay multiport wells using a MOSDAX Sample Probe (probe). Temperature and barometric pressure readings were taken at the surface prior to collecting measurements in the well. Surface checks were completed to confirm that the probe activation motor and sampler valve motor were operating properly, and that there were no leaks through the sampler valve or the connectors between the sampler and the sample containers. The surface check procedure was repeated each time the sampler was to be lowered into a well. After completion of the surface check procedure, a partial vacuum was applied to the sample containers to assist in sample collection.

Using the multiport casing log as reference, the sample probe was lowered to the desired sampling port. The probe was activated and the fluid pressure outside the measurement port was recorded on the field sampling forms. Once the sampler probe was properly activated and

sealed in the port, the sample valve was opened, allowing fluid to flow from the monitoring zone into the sample containers. When the containers had filled and the measurement port closed, the fluid pressure was recorded again to verify the water level inside the Westbay casing had not changed during sampling and that the collected samples were from outside the Westbay casing.

Once the toll was retrieved at the surface, the sample was immediately transferred to laboratory-prepared bottles. Following sample collection, the remaining drawn sample was used to measure field parameters (temperature, pH, turbidity, conductivity, DO, and ORP). Once sampling was completed, barometric pressure was collected at the surface. All measurements, including location, time, and date of measurement were recorded on the groundwater well sample field logs presented in Appendix A.

2.3.3 *Sampling Handling*

Per the packaging and shipment guidelines listed in the SAP (ERM, 2013b), immediately following sample collection, all sample containers were labeled appropriately, bubble wrapped, secured with tape, placed into a plastic resealable bag, and placed on ice in a properly packaged ice chest. A self-adhesive custody seal was placed across the lid of each sample. For VOC samples, the seal was wrapped around the cap. The shipping containers in which samples were stored (a sturdy ice chest) were sealed with self-adhesive custody seals before shipping. All custody seals were signed and dated.

Sample data and chain-of-custody (CoC) forms were completed for all samples as appropriate. The completed CoC forms (Appendix B) identified the contents of each shipment, the analytical requirements, and maintained the custodial integrity of the samples. The CoC includes laboratory receipt remarks regarding the sample integrity including bottle intact, preserved, custody seals, seals intact, chilled, or any other relevant comments.

Sample custody was maintained by the field team until samples were shipped to the contracted laboratory, Accutest Laboratories of San Jose, California. Samples were collected and analyzed for the following laboratory analyses:

- VOCs by USEPA Method 8260B; and
- Perchlorate by USEPA Method 314.0.

The sample analysis matrix is summarized in Table 3 and a complete list of analytes and results are provided in Table 4.

2.3.4 *Investigation–Derived Waste*

Decontamination water and excess groundwater were collected and transferred to a labeled 55-gallon drum. Profile samples of the decontamination water and excess groundwater were collected and submitted to Accutest Laboratories of San Jose, California. Based on analytical results for the profile samples, decontamination water and excess groundwater generated and collected during the remedial design investigation activities are scheduled for disposal as nonhazardous waste at Crosby and Overton, Inc. of Long Beach, CA on 15 July 2013.

3.0 GROUNDWATER MONITORING RESULTS

Section 3.0 summarizes the results of groundwater monitoring performed during the remedial design investigation.

3.1 WATER LEVEL RESULTS

During the remedial design investigation, the depth to groundwater was measured in accordance with the SAP with the following exceptions:

- The following wells were dry: F-3-Shallow, M-1-Shallow, N-3-Deep, N-4-Deep, N-6-Deep, N-8-Deep, N-9-Shallow, N-9-Deep, N-14-Shallow, PW-2A, and PW-3A.
- A water level measurement was not collected from the active extraction well, Rialto-3.
- Water level measurements were not collected from M-6 Zone 4, M-6 Zone 5, M-6 Zone 6, and M-6 Zone 7 due to an obstruction within the well. The obstruction has been removed and this well will be gauged in future events.
- Water level measurements at the following additional locations provided by GLA are included in the tables and figures: N-4 (Shallow and Deep), N-7-Shallow, N-15-Deep, N-16 (B, C1, and C2), N-17 (B, C1, and C2), N-18 (B, C1, and C2), N-19 (B, C1, and C2), N-20 (Zones 1 through 7), and S2-Shallow.

Groundwater elevation in wells sampled during the remedial design investigation were used to estimate groundwater elevation contours of the Intermediate and Regional Aquifers' potentiometric surfaces in the SAOU as depicted on Figures 3 and 4, respectively. For locations with multiple screens in an aquifer, the average water elevation was posted.

Based on these elevations, groundwater flow was generally to the southeast at a horizontal hydraulic gradient of approximately 0.0167 feet-per-foot in the Intermediate Aquifer and at a horizontal hydraulic gradient of approximately 0.0010 feet-per-foot in the Regional Aquifer. The direction of flow and horizontal hydraulic gradient in the Intermediate Aquifer is generally consistent with historical water level trends for this aquifer. The data for the Regional Aquifer is spatially limited and in part relies on averaging values from multiport screen intervals within the Regional Aquifer; however it shows a relatively flatter gradient and general flow to the southeast, consistent with historical results.

3.2 *GROUNDWATER QUALITY RESULTS*

Water quality samples were collected in accordance with the sampling schedule provided in the SAP with the following exception:

- PW-4A and PW-7A were not sampled due to insufficient water to collect samples.

Analytical results for compounds detected above their method detection limits (MDL) for the remedial design investigation are summarized in Table 4.

TCE and perchlorate are the only constituents of concern for the site (as defined in the 2010 ROD [USEPA, 2010]) that exceed SAOU cleanup standards.

TCE and perchlorate results from the remedial design investigation are presented on Figures 5 through 8.

3.3 *DATA VALIDATION*

The data validation process evaluated the analytical data for method quality control (QC) and laboratory QC compliance, and determined the validity and applicability of the data. Data validation was completed internally by ERM in accordance with the procedures outlined in the Quality Assurance Project Plan (QAPP; ERM, 2013c). Based on the findings of the validation process, data validation qualifiers were assigned to explain the rationale for applying a particular validation qualifier. The validated project data, including qualifiers and reason codes, are represented in Table 4.

Data validation reports are provided in Appendix C.

4.0 FUTURE INVESTIGATION ACTIVITIES

Based on USEPA comments on the SAP and Draft Groundwater Flow Modeling Report, the following additional investigation activities will be performed concurrently with the remedial design:

- Quarterly Water Elevation Measurements – In its comments on the Draft SAP, USEPA noted that substantial increases in VOC and perchlorate levels occurred in 2005/2006 and 2011/2012 following the rise of water levels. Therefore, USEPA requested quarterly water elevation measurements at one of the CMW clusters. Emhart will attempt to collect quarterly measurements at CMW-02. Alternatively, water elevations will be collected at one of the other CMW clusters if CMW-02 is not accessible.
- Annual Monitoring - In its comments on the Draft SAP, USEPA requested at least one additional round of monitoring during the design phase. Emhart agreed to collect annual groundwater levels and groundwater quality data during the design phase, with the next sampling event in 2014.
- Monitoring Well Installation and Monitoring – In response to Draft Groundwater Flow Modeling Report (USEPA, 2013a), USEPA requested the monitoring program include at least five new monitoring wells. Emhart will prepare a Work Plan/Field Sampling Plan for this activity.

5.0 REFERENCES

ERM-West, Inc. 2013a. *Draft Groundwater Flow Modeling Report*. April.

ERM-West, Inc. 2013b. *Sampling and Analysis Plan*. May.

ERM-West, Inc. 2013c. *Quality Assurance Project Plan*. May.

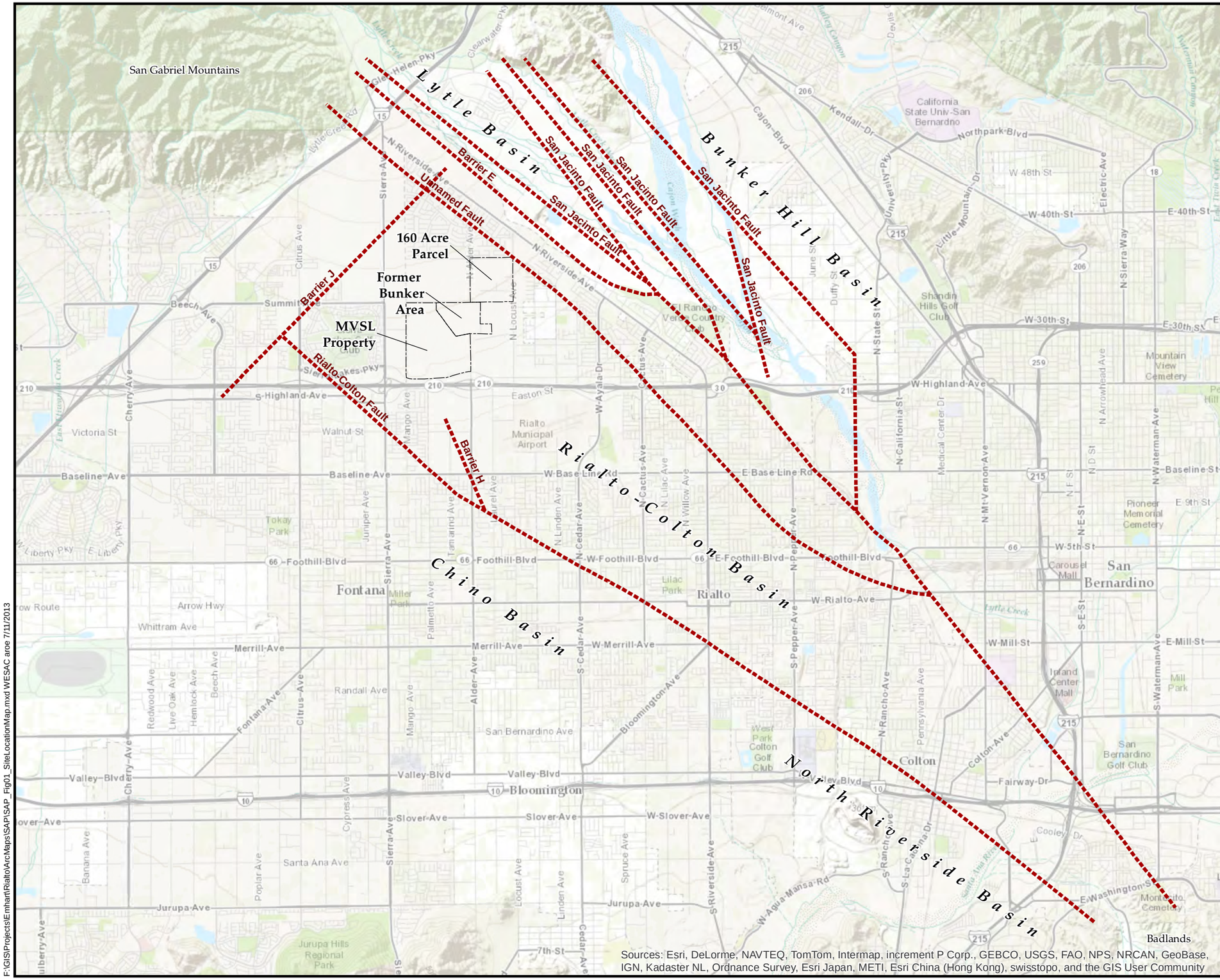
GeoInsight, Inc. 2010. *Standard Operating Procedure: Sampling Ground Water with a HydraSleeve.* Available at http://www.hydrasleeve.com.

Schlumberger Canada Limited. 2009. *Operations Manual Westbay MOSDAX Sampler Probe – Model 2531*. February.

U.S. Environmental Protection Agency (USEPA). 2010. *EPA Superfund Interim Action Record of Decision, Source Area Operable Unit, B.F. Goodrich Superfund Site*, San Bernardino County, CA. EPA ID: CAN000905945. 30 September.

USEPA. 2013. EPA Approval of Groundwater Extraction Rates and Locations, B.F. Goodrich Superfund Site, Source Area Operable Unit. 28 June.

Figures



Legend

- Approximate Location Fault/Geologic Contact
- Property Boundary

REFERENCE:
Remedial Investigation/Feasibility Study Report, BF Goodrich Superfund Site
Rialto, California, CH2MHill,
January 2010.

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0 6,000
Scale in Feet

Source Area Operable Unit
BF Goodrich Superfund Site

FIGURE 1

SITE LOCATION MAP

ERM

PREPARED BY: aroe (ERM)	JOB NO. 0179962 FILE: SAP_Fig01_SiteLocationMap.mxd

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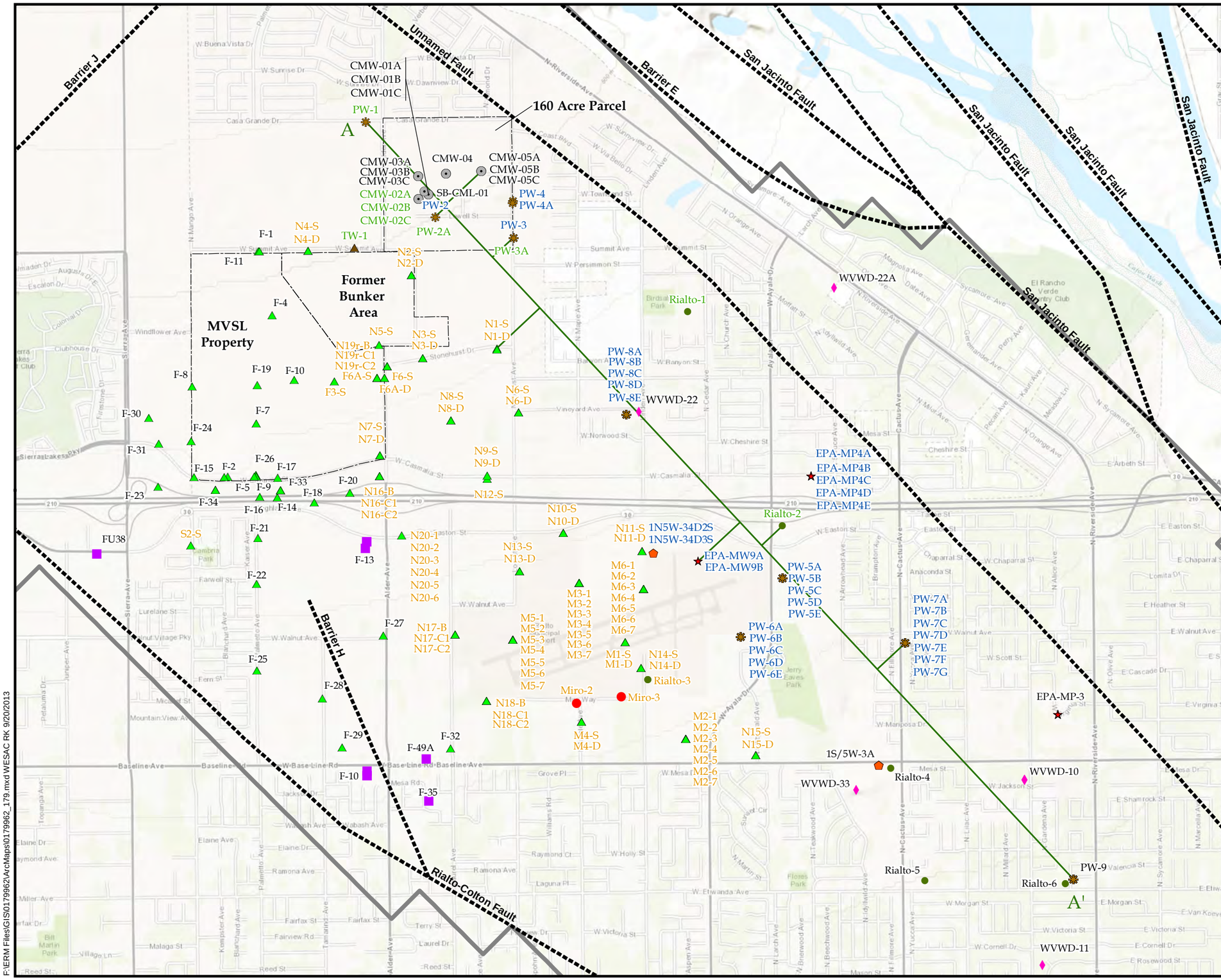

SOURCE AREA OPERABLE UNIT
B.F. GOODRICH SUPERFUND SITE

FIGURE 2

SAMPLING PLAN

ERM

PREPARED BY:
RK (ERM)

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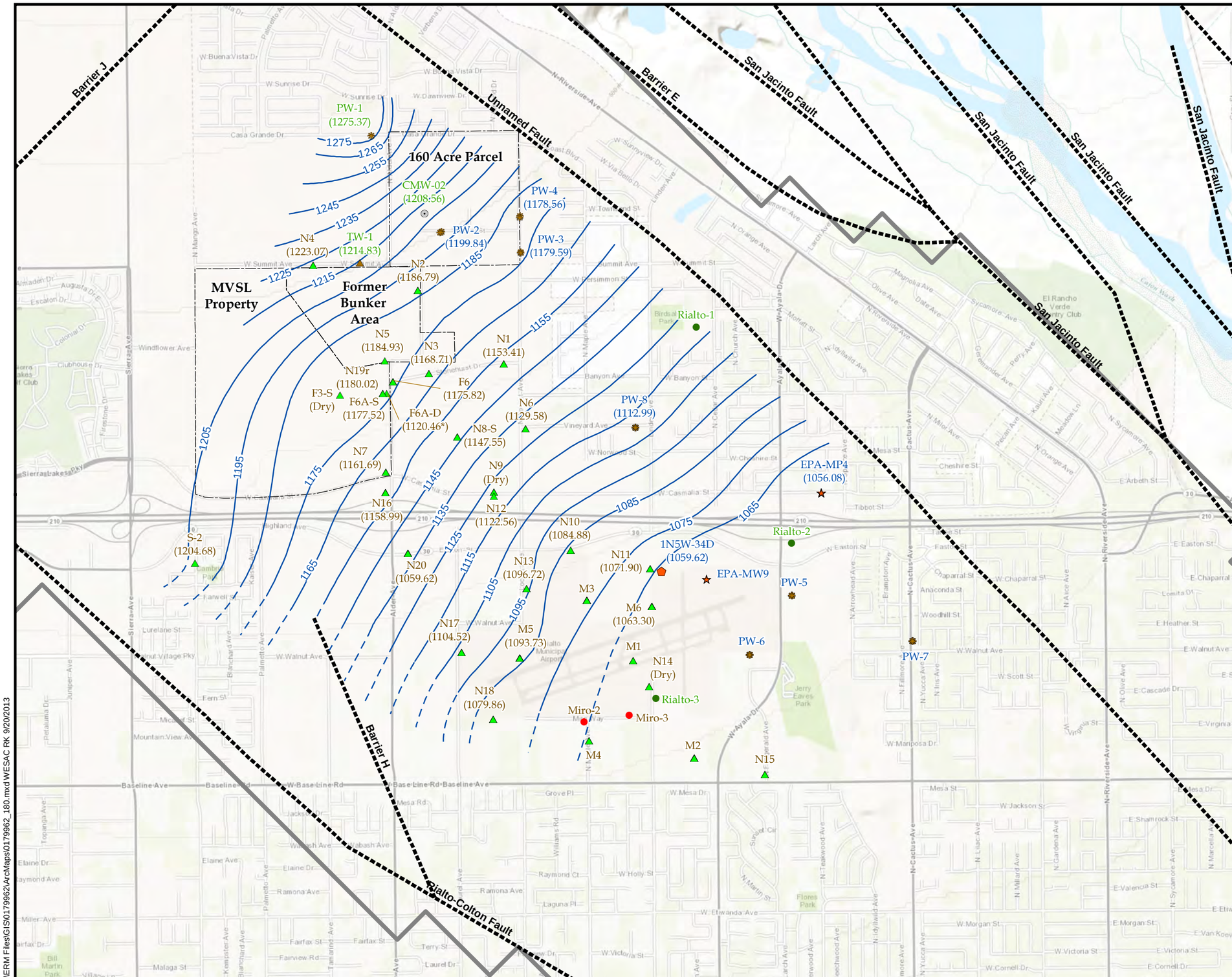

Legend

- Miro Well
- 160 Acre Area - Upgradient or Downgradient Monitoring Well
- 160-Acre Area Monitoring Well
- City of Rialto Production Well
- EPA Monitoring Well
- Other Production/Monitoring Well
- San Bernardino County Well
- USGS Cluster Well
- Groundwater Contours
- Faults
- Model Boundary
- Site Boundary

Note:
1. Locations without data posted are not screened within the aquifer.
2. Average concentration posted for wells with multiple screening levels within the zone.
3. (*) Well not used for contouring purposes.

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

N

0 2,000
Feet

SOURCE AREA OPERABLE UNIT
B.F. GOODRICH SUPERFUND SITE

FIGURE 3

POTENTIOMETRIC SURFACE
INTERMEDIATE AQUIFER

ERM

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RK (ERM)

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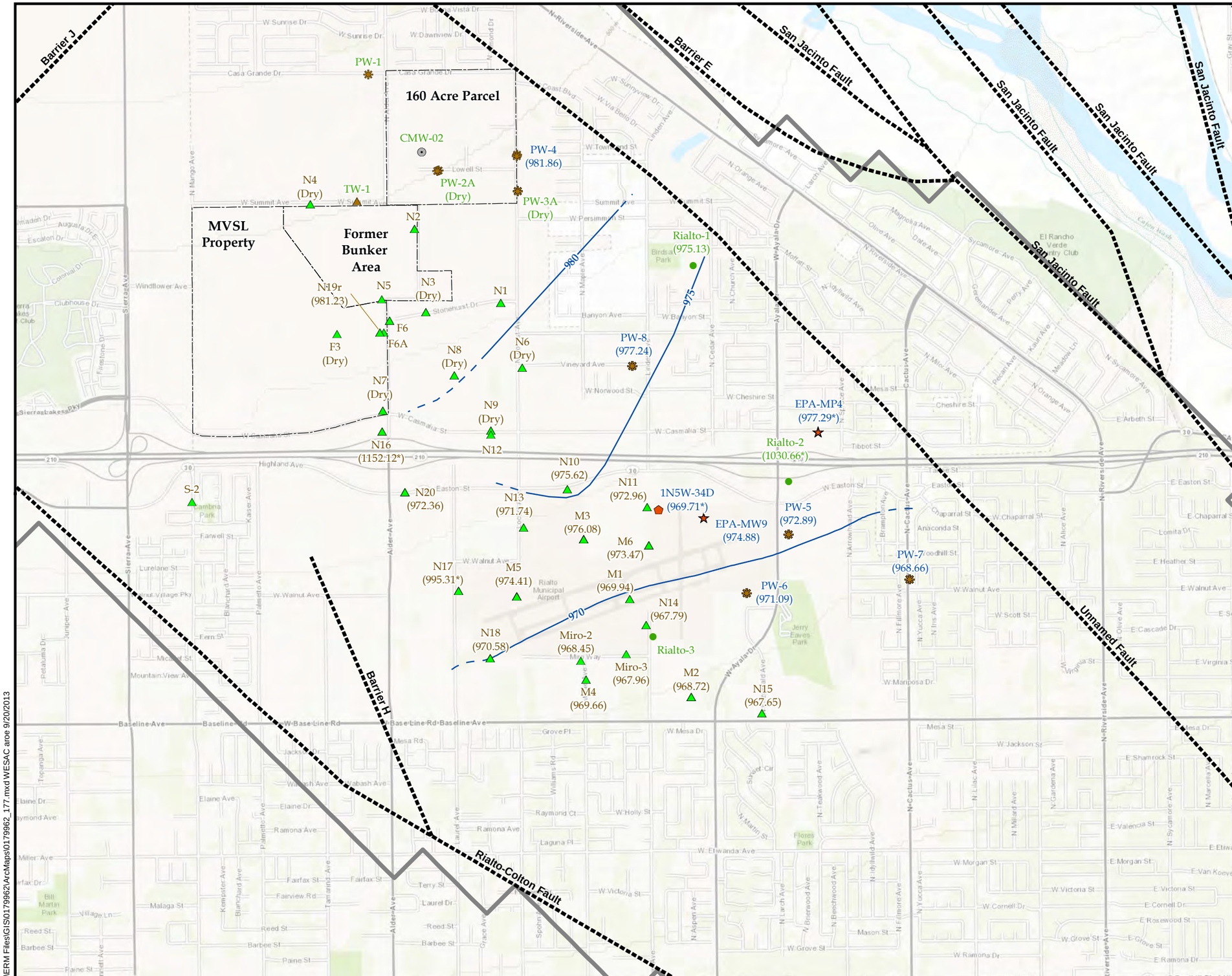

Legend

- 160 Acre Area - Upgradient or Downgradient Monitoring Well
- 160-Acre Area Monitoring Well
- City of Rialto Production Well
- EPA Monitoring Well
- San Bernardino County Well
- Other Production/Monitoring Well
- USGS Cluster Well
- Groundwater Contour
- Faults
- Model Boundary
- Site Boundary

Note:
1. Average concentration posted for wells with multiple screening levels within the zone.
2. Locations without data posted are not screened within the aquifer.
3. (*) Well not used for contouring purposes.

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

N

0 2,000
Feet

SOURCE AREA OPERABLE UNIT
B.F. GOODRICH SUPERFUND SITE

FIGURE 4

POTENTIOMETRIC SURFACE
REGIONAL AQUIFER

ERM

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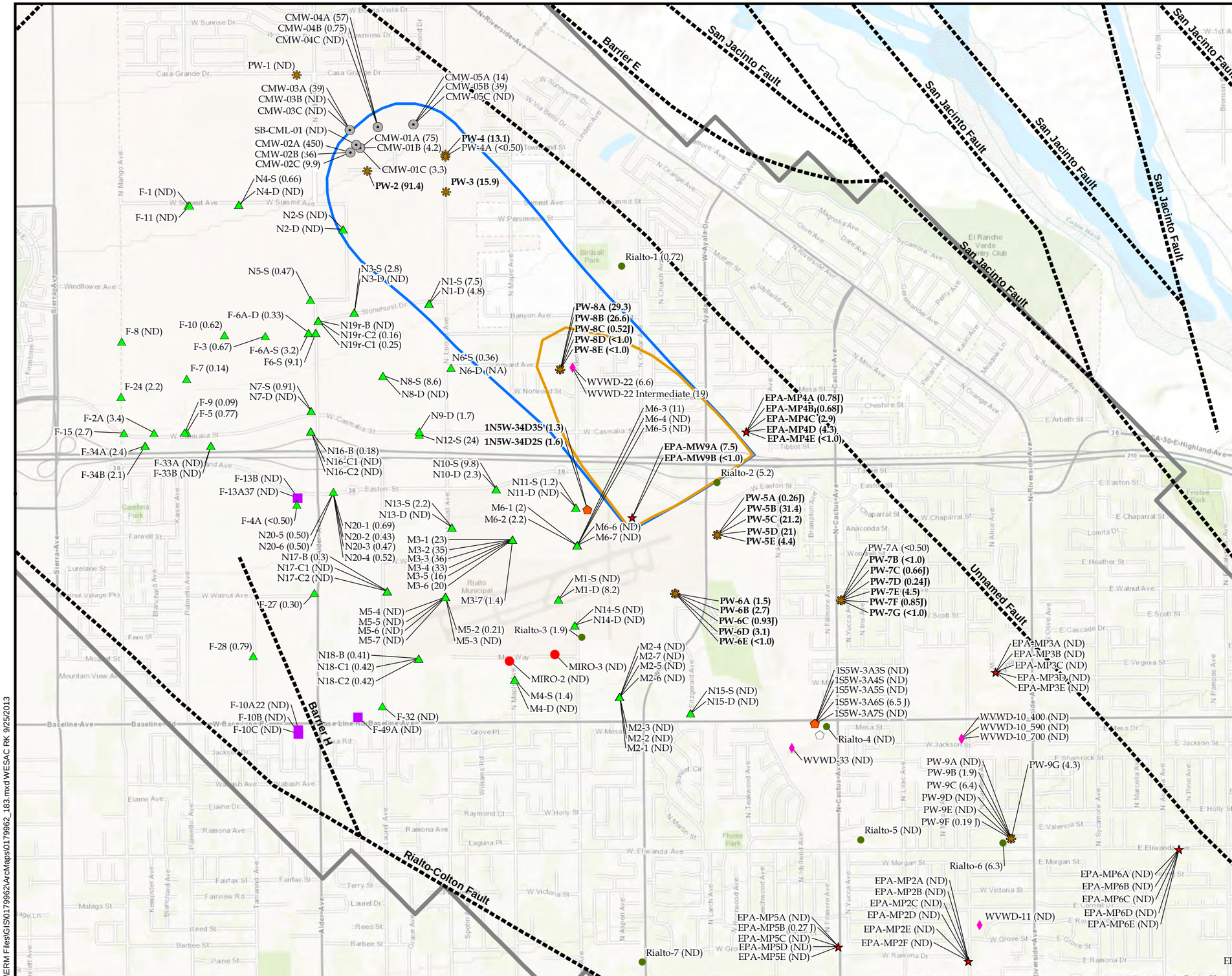

SOURCE AREA OPERABLE UNIT
BF GOODRICH SUPERFUND SITE

FIGURE 5

TCE CONCENTRATION IN GROUNDWATER AND SAOU TARGET AREA

ERM

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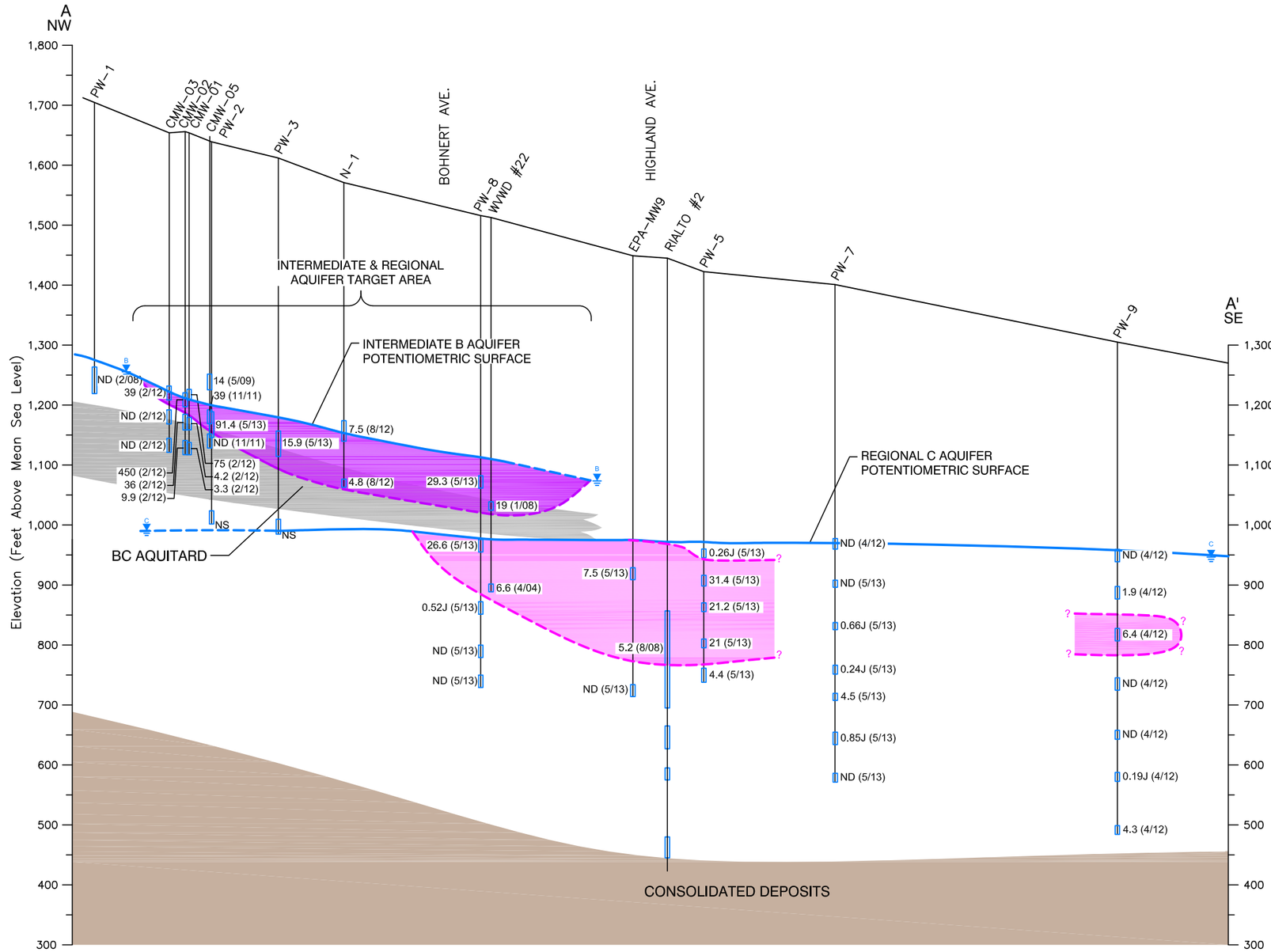


0
VERTICAL SCALE IN FEET
1" = 200'
200
0
HORIZONTAL SCALE IN FEET
1" = 2500'
2500
(Vertical Exaggeration = 12.5X)

Extent of TCE Concentrations exceeding the Maximum Contaminant Level (5 µg/L) in the Intermediate B Aquifer; dashed and queried where not certain

Extent of TCE Concentrations exceeding the Maximum Contaminant Level (5 µg/L) in the Regional C Aquifer; dashed and queried where not certain

Approximate Extent of BC Aquitard

Consolidated Deposits

Groundwater Screen Interval

B,C Water Elevation; most recent data available as of May 2013 in the Intermediate B or Regional C Aquifer as noted; dashed where not certain

7.5 (5/13) TCE Concentration in µg/L and (month/year sampled); most recent data available as of May 2013. Duplicates are shown as the secondary sample.

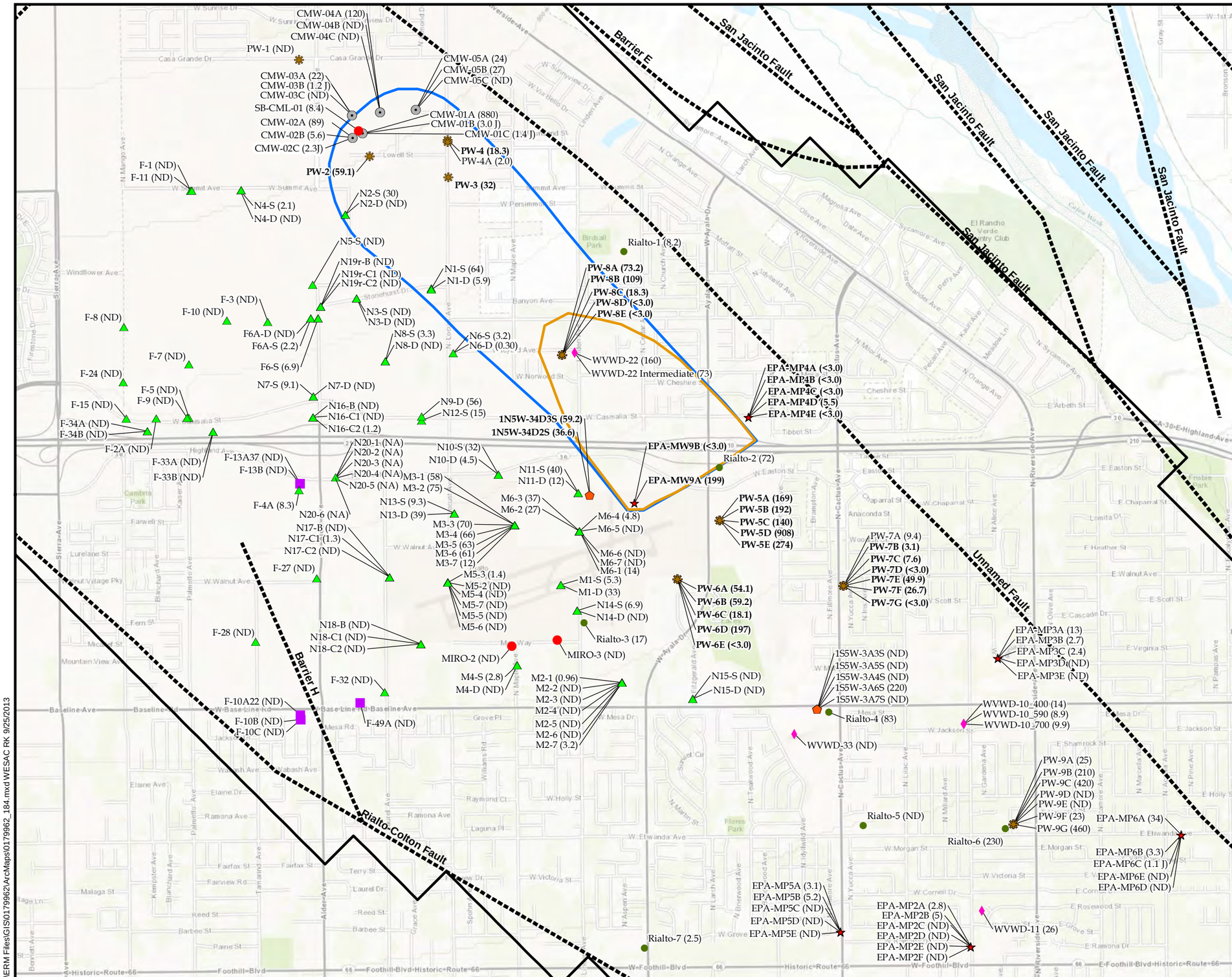
ND Not Detected
NS Not Sampled
J Estimated Concentration
µg/L Micrograms per Liter
TCE Trichloroethene

Note: Consolidated Deposits base on interpretation by the USGS (2001) and referenced by DPRA (2008)

Figure 6
Cross Section A-A' of TCE in Groundwater
Source Area Operable Unit
B. F. Goodrich Superfund Site
Rialto, California

ERM 09/13

Drawn By: R. Olson/ct
Date: 09/25/13
Project No. 0179962.04
CAD File: f:\0179962\04\017996204-02.dwg



Legend

- Miro Wells
- 160 Acre Area - Upgradient or Downgradient Monitoring Well
- 160 Acre Area Monitoring Well
- City of Colton Production Well
- City of Rialto Production Well
- City of Riverside Production Well
- EPA Monitoring Well
- Fontana Water Company Production Well
- Other Production/Monitoring Well
- San Bernardino County Well
- USGS Cluster Well
- West Valley Water District Production Well
- Faults
- IROD/Emhart Model Intermediate Target Capture Zone
- IROD/Emhart Model Regional Target Capture Zone
- Model Boundary

NOTE:

( ) Perchlorate Concentration (micrograms per liter)
ND Not Detected
NA Not Analyzed
J The analyte was positively identified, but the associated numerical value is estimated and represents the approximate concentration of the analyte in the sample.

*Bolded labels represent 2013 sample results collected by ERM.
*Posted data is the most recent sample from each well screen through May 2013.

REFERENCES:

USEPA. 2010. *EPA Superfund Interim Action Record of Decision, Source Area Operable Unit, B.F. Goodrich Superfund Site,* San Bernardino County, CA EPA ID: CAN000905945. 30 September

Geo-Logic Associates (GLA). 2012. *Groundwater Monitoring Report, Third Quarter (Summer) 2012.* October 2012.

N

0 2,000

Scale in Feet

SOURCE AREA OPERABLE UNIT
BF GOODRICH SUPERFUND SITE

FIGURE 7

PERCHLORATE CONCENTRATION IN GROUNDWATER AND SAOU TARGET AREA

ERM

PREPARED BY: RK (ERM)

JOB NO. 0179962.03.A
FILE: 0179962_184.mxd

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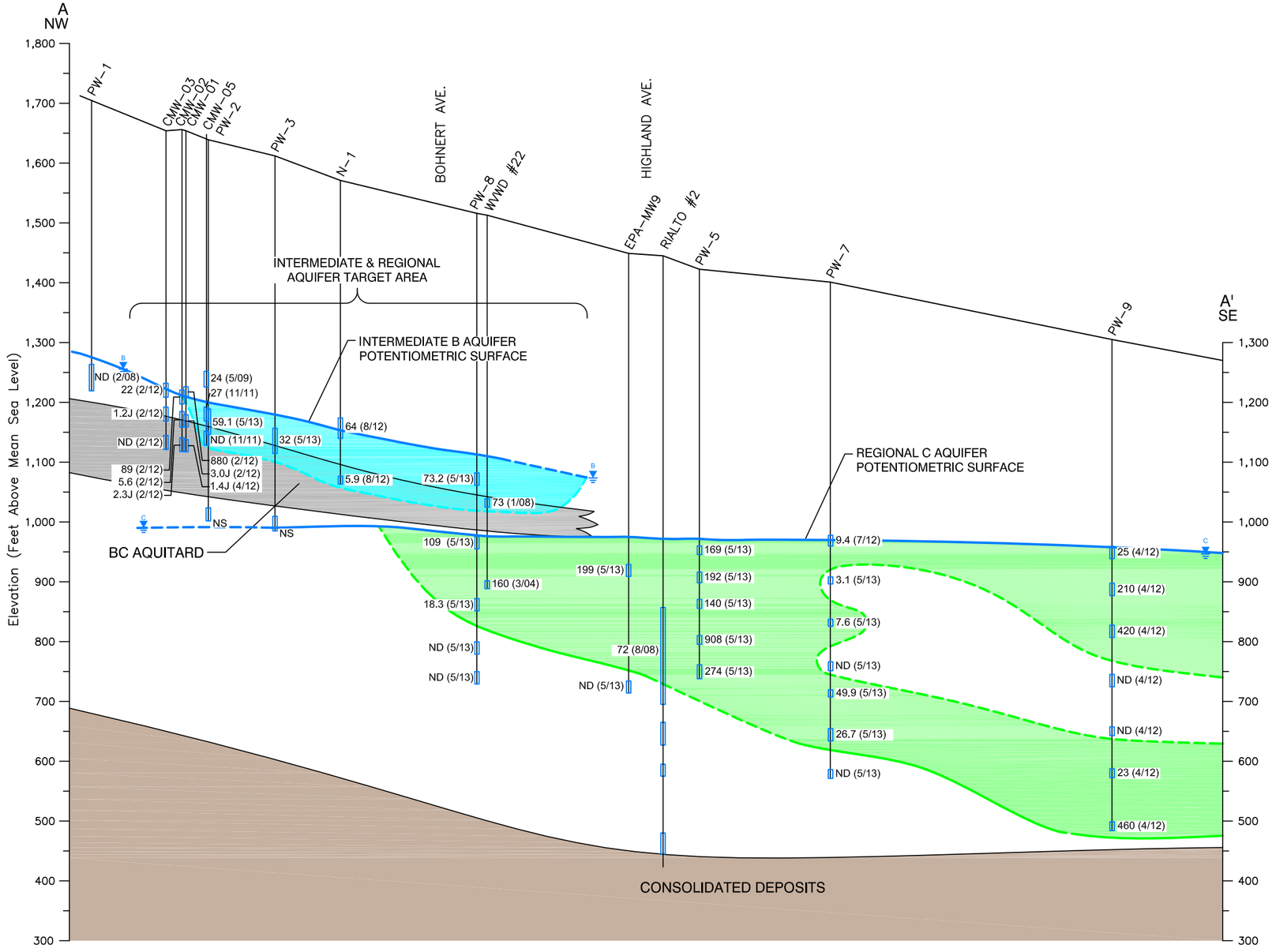

0 — 200

VERTICAL SCALE IN FEET
1" = 200'

0 — 2500

HORIZONTAL SCALE IN FEET
1" = 2500'

(Vertical Exaggeration = 12.5X)

Extent of Perchlorate Concentrations exceeding the Maximum Contaminant Level (6μg/L) in the Intermediate B Aquifer; dashed and queried where not certain

Extent of Perchlorate Concentrations exceeding the Maximum Contaminant Level (6μg/L) in the Regional C Aquifer; dashed and queried where not certain

Approximate Extent of BC Aquitard

Consolidated Deposits

Groundwater Screen Interval

B,C Water Elevation; most recent data available as of May 2013 in the Intermediate B or Regional C Aquifer as noted; dashed where not certain

32 (5/13) Perchlorate Concentration in μg/L and (month/year sampled); most recent data available as of May 2013. Duplicates are shown as the secondary sample.

ND Not Detected
NS Not Sampled
J Estimated Concentration
μg/L Micrograms per Liter

Note: Consolidated Deposits base on interpretation by the USGS (2001) and referenced by DPRA (2008)

Figure 8

Cross Section A-A' of Perchlorate in Groundwater Source Area Operable Unit
B. F. Goodrich Superfund Site
Rialto, California

ERM 09/13

CAD File: f:\0179962\04\0179962 04-02.dwg
Drawn By: R. Olson/ct
Date: 09/25/13
Project No. 0179962.04

Tables

Table 1 Well Groundwater Elevations - Conventional Wells
Source Area Operable Unit - B.F. Goodrich Superfund Site

Location Name	Well	Aquifer	Measurement Date	Top of Casing Elevation (ft MSL)	Depth to Water (ft BTOC)	Groundwater Elevation (ft MSL)	Water Level Source	Comment
F-3	F3-S	Regional	13-May-13	1582.87	DRY	NA	County	
F-6	F6-S	Intermediate	13-May-13	1577.13	401.31	1175.82	County	
F-6A	F6A-D	Intermediate	13-May-13	1577.56	457.10	1120.46	County	Well value not used for contouring purposes
F-6A	F6A-S	Intermediate	13-May-13	1577.80	400.28	1177.52	County	
M-1	M1-D	Regional	13-May-13	1431.32	461.38	969.94	County	
M-1	M1-S	Regional	13-May-13	1431.42	DRY	NA	County	Well value not used for contouring purposes
M-4	M4-D	Regional	13-May-13	1408.46	439.33	969.13	County	Average value of M-4 screen intervals (969.66) used for contouring
M-4	M4-S	Regional	13-May-13	1408.55	438.37	970.18	County	
N-1	N1-D	Aquitard	13-May-13	1569.74	493.56	1076.18	County	Well value not used for contouring purposes
N-1	N1-S	Intermediate	13-May-13	1569.73	416.32	1153.41	County	
N-2	N2-D	Intermediate	13-May-13	1619.16	433.53	1185.63	County	Average value of N2-D and N2-S (1,186.79) used for contouring
N-2	N2-S	Intermediate	13-May-13	1619.13	431.18	1187.95	County	
N-3	N3-D	Regional	13-May-13	1577.31	DRY	NA	County	
N-3	N3-S	Intermediate	13-May-13	1577.28	408.57	1168.71	County	
N-4	N4-D	Regional	13-May-13	1647.10	DRY	NA	County	
N-4	N4-S	Intermediate	13-May-13	1647.10	424.03	1223.07	County	
N-5	N5-S	Intermediate	13-May-13	1593.61	408.68	1184.93	County	
N-6	N6-S	Intermediate	13-May-13	1538.92	409.34	1129.58	County	
N-6	N6-D	Regional	13-May-13	1538.91	DRY	NA	County	
N-7	N7-S	Intermediate	13-May-13	1541.26	379.57	1161.69	County	
N-8	N8-S	Intermediate	13-May-13	1544.28	396.73	1147.55	County	
N-8	N8-D	Regional	13-May-13	1544.28	DRY	NA	County	
N-9	N9-S	Intermediate	13-May-13	1514.92	DRY	NA	County	
N-9	N9-D	Regional	13-May-13	1514.92	DRY	NA	County	
N-10	N10-D	Regional	13-May-13	1484.20	508.58	975.62	County	
N-10	N10-S	Intermediate	13-May-13	1484.20	399.32	1084.88	County	
N-11	N11-D	Regional	13-May-13	1460.35	487.39	972.96	County	
N-11	N11-S	Intermediate	13-May-13	1460.26	388.36	1071.90	County	
N-12	N12-S	Intermediate	13-May-13	1515.03	392.47	1122.56	County	
N-13	N13-D	Regional	13-May-13	1470.45	498.71	971.74	County	
N-13	N13-S	Intermediate	13-May-13	1470.70	373.98	1096.72	County	
N-14	N14-D	Regional	13-May-13	1419.85	452.06	967.79	County	
N-14	N14-S	Regional	13-May-13	1420.00	DRY	NA	County	Well value not used for contouring purposes
N-15	N15-D	Regional	13-May-13	1374.24	406.59	967.65	County	
N-16	N16-B	Intermediate	13-May-13	1530.74	371.75	1158.99	County	
N-16	N16-C1	Regional	13-May-13	1525.87	372.81	1153.06	County	Well value not used for contouring purposes
N-16	N16-C2	Regional	13-May-13	1523.87	372.69	1151.18	County	Well value not used for contouring purposes
N-17	N17-B	Intermediate	13-May-13	1454.20	349.68	1104.52	County	
N-17	N17-C1	Aquitard	13-May-13	1449.67	361.50	1088.17	County	Well value not used for contouring purposes
N-17	N17-C2	Regional	13-May-13	1454.06	458.75	995.31	County	
N-18	N18-B	Intermediate	13-May-13	1425.26	345.40	1079.86	County	
N-18	N18-C1	Regional	13-May-13	1425.32	343.60	1081.72	County	Well value not used for contouring purposes
N-18	N18-C2	Regional	13-May-13	1425.29	454.71	970.58	County	
N-19r	N19r-B	Intermediate	13-May-13	1580.35	400.33	1180.02	County	
N-19r	N19r-C1	Regional	13-May-13	1580.29	599.17	981.12	County	
N-19r	N19r-C2	Regional	13-May-13	1580.24	598.90	981.34	County	
S-2	S2-S	Intermediate	13-May-13	1511.61	306.93	1204.68	County	
1N5W-34D	1N5W-34D2S	Regional	20-May-13	1463.00	493.34	969.66	Emhart	Well value not used for contouring purposes
1N5W-34D	1N5W-34D3S	Regional	20-May-13	1463.00	493.25	969.75	Emhart	Well value not used for contouring purposes
CMW-02	CMW-02A	Intermediate	20-May-13	1655.68	444.16	1211.52	Emhart	Average value of CMW-02A and CMW-02B (1,208.56) used for contouring
CMW-02	CMW-02B	Intermediate	20-May-13	1655.68	450.09	1205.59	Emhart	
CMW-02	CMW-02C	Aquitard	20-May-13	1655.68	457.44	1198.24	Emhart	Well value not used for contouring purposes
RIALTO-1	RIALTO-1	Regional	20-May-13	1535.00	559.87	975.13	Emhart	
RIALTO-2	RIALTO-2	Regional	20-May-13	1508.00	477.34	1030.66	Emhart	Well value not used for contouring purposes
RIALTO-3	RIALTO-3	Regional	NA	1417.00	NM	NM	Emhart	Active extraction well
Miro-2	Miro-2	Regional	13-May-13	1419.11	450.66	968.45	County	
Miro-3	Miro-3	Regional	13-May-13	1415.01	447.05	967.96	County	
TW-1	TW-1	Intermediate	20-May-13	1644.13	429.30	1214.83	Emhart	
EPA-MW9	EPA-MW9A	Regional	20-May-13	1448.73	473.72	975.01	Emhart	Average value of EPA-MW9A and EPA-MW9B (974.88) used for contouring
EPA-MW9	EPA-MW9B	Regional	20-May-13	1448.63	473.88	974.75	Emhart	
PW-1	PW-1	Intermediate	20-May-13	1704.48	429.11	1275.37	Emhart	
PW-2	PW-2	Intermediate	20-May-13	1639.36	439.52	1199.84	Emhart	
PW-2	PW-2A	Regional	20-May-13	1639.58	DRY	NA	Emhart	
PW-3	PW-3	Intermediate	20-May-13	1611.81	432.22	1179.59	Emhart	
PW-3	PW-3A	Regional	20-May-13	1611.81	DRY	NA	Emhart	
PW-4	PW-4	Intermediate	20-May-13	1626.56	448.00	1178.56	Emhart	
PW-4	PW-4A	Regional	20-May-13	1626.56	644.70	981.86	Emhart	

Notes:
County = County of San Bernardino
Emhart = Emhart Industries, Inc.

Abbreviations:
BTOC = Below top of casing
ft = Feet
MSL = Mean sea level
NA = Not available
NM = Not measured

Table 2 Well Groundwater Elevations - Westbay Multiport Wells
Source Area Operable Unit - B.F. Goodrich Superfund Site

Location Name	Well	Aquifer	Measurement Date	Top of Casing Elevation (ft MSL)	Depth of Westbay Sampling Port (ft)	Atmospheric Pressure (psi)	Sampling Zone Pressure (psi)	Groundwater Elevation (ft MSL)(1)	Water Level Source	Comment
M-2	M2-1	Regional	14-May-13	1389.28	409.30	13.95	14.09	980.30	County	Well value not used for contouring purposes
M-2	M2-2	Regional	14-May-13	1389.28	454.30	13.95	28.74	969.10	County	Average value of M2 screen intervals (968.72) used for contouring
M-2	M2-3	Regional	14-May-13	1389.28	509.30	13.95	52.43	968.75	County	
M-2	M2-4	Regional	14-May-13	1389.28	534.30	13.94	63.28	968.81	County	
M-2	M2-5	Regional	14-May-13	1389.28	584.30	13.94	84.89	968.66	County	
M-2	M2-6	Regional	14-May-13	1389.28	639.30	13.93	108.67	968.55	County	
M-2	M2-7	Regional	14-May-13	1389.28	679.30	13.93	125.96	968.43	County	
M-3	M3-1	Regional	13-May-13	1464.24	496.53	13.89	18.34	977.98	County	Average value of M3 screen intervals (976.08) used for contouring
M-3	M3-2	Regional	13-May-13	1464.24	526.53	13.89	31.27	977.81	County	
M-3	M3-3	Regional	13-May-13	1464.24	556.53	13.89	43.28	975.51	County	
M-3	M3-4	Regional	13-May-13	1464.24	576.53	13.89	51.93	975.47	County	
M-3	M3-5	Regional	13-May-13	1464.24	616.53	13.89	69.23	975.38	County	
M-3	M3-6	Regional	13-May-13	1464.24	631.53	13.89	75.71	975.33	County	
M-3	M3-7	Regional	13-May-13	1464.24	666.53	13.89	90.78	975.10	County	
M-5	M5-1	Intermediate	14-May-13	1438.98	368.00	13.94	23.80	1093.73	County	
M-5	M5-2	Regional	14-May-13	1438.98	473.00	13.94	18.09	975.55	County	Average value of M5 Regional Aquifer screen intervals (974.41) used for contouring
M-5	M5-3	Regional	14-May-13	1438.98	528.00	13.94	41.45	974.45	County	
M-5	M5-4	Regional	14-May-13	1438.98	573.00	13.94	60.92	974.36	County	
M-5	M5-5	Regional	14-May-13	1438.98	638.00	13.93	89.02	974.21	County	
M-5	M5-6	Regional	14-May-13	1438.98	678.00	13.93	106.27	974.01	County	
M-5	M5-7	Regional	14-May-13	1438.98	723.00	13.93	125.71	973.86	County	
M-6	M6-1	Intermediate	13-May-13	1447.34	392.00	13.93	17.38	1063.30	County	
M-6	M6-2	Regional	13-May-13	1447.34	482.00	13.90	17.68	974.06	County	Average value of M6 Regional Aquifer screen intervals (973.47) used for contouring
M-6	M6-3	Regional	13-May-13	1447.34	543.00	13.88	43.59	972.88	County	
M-6	M6-4	Regional	NA	1447.34	NM	NM	NM	NM	NA	Obstruction within the well
M-6	M6-5	Regional	NA	1447.34	NM	NM	NM	NM	NA	Obstruction within the well
M-6	M6-6	Regional	NA	1447.34	NM	NM	NM	NM	NA	Obstruction within the well
M-6	M6-7	Regional	NA	1447.34	NM	NM	NM	NM	NA	Obstruction within the well
N-20	N20-1	Intermediate	14-May-13	1501.57	387.00	13.90	25.58	1141.52	County	Well value not used for contouring purposes
N-20	N20-2	Intermediate	14-May-13	1501.57	442.00	13.90	13.92	1059.62	County	
N-20	N20-3	Regional	14-May-13	1501.57	582.00	13.89	36.88	972.61	County	Average value of N20 screen intervals (972.36) used for contouring
N-20	N20-4	Regional	14-May-13	1501.57	627.00	13.89	56.31	972.43	County	
N-20	N20-5	Regional	14-May-13	1501.57	672.00	13.88	75.76	972.33	County	
N-20	N20-6	Regional	14-May-13	1501.57	717.00	13.88	95.16	972.08	County	
EPA-MP4	EPA-MP4A	Intermediate	22-May-13	1457.82	413.00	13.73	18.61	1056.08	Emhart	
EPA-MP4	EPA-MP4B	Regional	22-May-13	1457.82	507.00	13.73	25.33	977.58	Emhart	Average value of EPA-MP4 Regional Aquifer screen intervals (977.29) used for contouring
EPA-MP4	EPA-MP4C	Regional	22-May-13	1457.82	586.00	13.73	59.50	977.41	Emhart	
EPA-MP4	EPA-MP4D	Regional	22-May-13	1457.82	641.00	13.73	83.28	977.27	Emhart	
EPA-MP4	EPA-MP4E	Regional	22-May-13	1457.82	753.00	13.73	131.66	976.88	Emhart	

Table 2 Well Groundwater Elevations - Westbay Multiport Wells
Source Area Operable Unit - B.F. Goodrich Superfund Site

Location Name	Well	Aquifer	Measurement Date	Top of Casing Elevation (ft MSL)	Depth of Westbay Sampling Port (ft)	Atmospheric Pressure (psi)	Sampling Zone Pressure (psi)	Groundwater Elevation (ft MSL)(1)	Water Level Source	Comment
PW-5	PW-5A	Regional	21-May-13	1423.64	467.00	13.79	20.60	972.35	Emhart	Average value of PW-5 Regional Aquifer screen intervals (972.89) used for contouring
PW-5	PW-5B	Regional	21-May-13	1423.64	512.00	13.79	40.15	972.45	Emhart	
PW-5	PW-5C	Regional	21-May-13	1423.64	557.00	13.79	59.60	972.32	Emhart	
PW-5	PW-5D	Regional	21-May-13	1423.64	614.00	13.79	85.63	975.37	Emhart	
PW-5	PW-5E	Regional	21-May-13	1423.64	672.00	13.79	109.29	971.96	Emhart	
PW-6	PW-6A	Regional	21-May-13	1409.16	442.00	13.81	15.51	971.08	Emhart	Average value of PW-6 Regional Aquifer screen intervals (971.09) used for contouring
PW-6	PW-6B	Regional	21-May-13	1409.16	477.00	13.81	30.75	971.24	Emhart	
PW-6	PW-6C	Regional	21-May-13	1409.16	522.00	13.81	50.18	971.07	Emhart	
PW-6	PW-6D	Regional	21-May-13	1409.16	602.00	13.81	84.83	971.00	Emhart	
PW-6	PW-6E	Regional	21-May-13	1409.16	657.00	13.81	108.69	971.05	Emhart	
PW-7	PW-7A	Regional	22-May-13	1401.14	432.00	13.75	14.10	969.95	Emhart	Average value of PW-7 Regional Aquifer screen intervals (968.66) used for contouring
PW-7	PW-7B	Regional	22-May-13	1401.14	498.00	13.75	42.02	968.36	Emhart	
PW-7	PW-7C	Regional	22-May-13	1401.14	568.00	13.75	72.32	968.26	Emhart	
PW-7	PW-7D	Regional	22-May-13	1401.14	638.00	13.75	102.64	968.21	Emhart	
PW-7	PW-7E	Regional	22-May-13	1401.14	688.00	13.75	124.27	968.11	Emhart	
PW-7	PW-7F	Regional	22-May-13	1401.14	752.00	13.75	152.37	968.94	Emhart	
PW-7	PW-7G	Regional	22-May-13	1401.14	817.00	13.75	180.47	968.76	Emhart	
PW-8	PW-8A	Intermediate	23-May-13	1515.42	442.00	13.70	30.85	1112.99	Emhart	
PW-8	PW-8B	Regional	23-May-13	1515.42	547.00	13.70	17.70	977.65	Emhart	Average value of PW-8 Regional Aquifer screen intervals (977.24) used for contouring
PW-8	PW-8C	Regional	23-May-13	1515.42	647.00	13.70	60.94	977.40	Emhart	
PW-8	PW-8D	Regional	23-May-13	1515.42	722.00	13.70	93.33	977.13	Emhart	
PW-8	PW-8E	Regional	23-May-13	1515.42	772.00	13.70	114.85	976.77	Emhart	

Notes:
County = County of San Bernardino
Emhart = Emhart Industries, Inc.
(1) Groundwater Elevation = TOC Elevation - Depth of Westbay Sampling Port + (Sampling Zone Pressure - Atmospheric Pressure)*2.307 feet/per square inch

Abbreviations:
ft = Feet
MSL = Mean sea level
NM = Not measured
psi = Pound per square inch
TOC = Top of casing

Table 3 Sample Analysis Matrix
Source Area Operable Unit - B.F. Goodrich Superfund Site

Analyte	Method	Reporting Limit (µg/L)	Method Detection Limit (µg/L)	Units
Volatile Organic Compounds				
Acetone	USEPA 8260B	20	4.0	µg/L
Benzene	USEPA 8260B	1.0	0.2	µg/L
Bromobenzene	USEPA 8260B	1.0	0.2	µg/L
Bromochloromethane	USEPA 8260B	1.0	0.2	µg/L
Bromodichloromethane	USEPA 8260B	1.0	0.2	µg/L
Bromoform	USEPA 8260B	1.0	0.22	µg/L
n-Butylbenzene	USEPA 8260B	2.0	0.2	µg/L
sec-Butylbenzene	USEPA 8260B	2.0	0.2	µg/L
tert-Butylbenzene	USEPA 8260B	2.0	0.28	µg/L
Chlorobenzene	USEPA 8260B	1.0	0.2	µg/L
Chloroethane	USEPA 8260B	1.0	0.2	µg/L
Chloroform	USEPA 8260B	1.0	0.2	µg/L
o-Chlorotoluene	USEPA 8260B	2.0	0.2	µg/L
p-Chlorotoluene	USEPA 8260B	2.0	0.26	µg/L
Carbon tetrachloride	USEPA 8260B	1.0	0.2	µg/L
1,1-Dichloroethane	USEPA 8260B	1.0	0.2	µg/L
1,1-Dichloroethene	USEPA 8260B	1.0	0.2	µg/L
1,1-Dichloropropene	USEPA 8260B	1.0	0.2	µg/L
1,2-Dibromo-3-chloropropane	USEPA 8260B	2.0	0.4	µg/L
1,2-Dibromoethane	USEPA 8260B	1.0	0.2	µg/L
1,2-Dichloroethane	USEPA 8260B	1.0	0.2	µg/L
1,2-Dichloropropane	USEPA 8260B	1.0	0.2	µg/L
1,3-Dichloropropane	USEPA 8260B	1.0	0.2	µg/L
Di-Isopropyl ether	USEPA 8260B	2.0	0.22	µg/L
2,2-Dichloropropane	USEPA 8260B	1.0	0.2	µg/L
Dibromochloromethane	USEPA 8260B	1.0	0.2	µg/L
Dichlorodifluoromethane	USEPA 8260B	1.0	0.2	µg/L
cis-1,2-Dichloroethene	USEPA 8260B	1.0	0.2	µg/L
cis-1,3-Dichloropropene	USEPA 8260B	1.0	0.2	µg/L
m-Dichlorobenzene	USEPA 8260B	1.0	0.2	µg/L
o-Dichlorobenzene	USEPA 8260B	1.0	0.2	µg/L
p-Dichlorobenzene	USEPA 8260B	1.0	0.2	µg/L
trans-1,2-Dichloroethene	USEPA 8260B	1.0	0.2	µg/L
trans-1,3-Dichloropropene	USEPA 8260B	1.0	0.3	µg/L
Ethylbenzene	USEPA 8260B	1.0	0.2	µg/L
Ethyl Tert Butyl Ether	USEPA 8260B	2.0	0.22	µg/L
2-Hexanone	USEPA 8260B	10	2.0	µg/L
Hexachlorobutadiene	USEPA 8260B	2.0	0.2	µg/L
Isopropylbenzene	USEPA 8260B	1.0	0.2	µg/L
p-Isopropyltoluene	USEPA 8260B	2.0	0.2	µg/L
4-Methyl-2-pentanone	USEPA 8260B	10	1.0	µg/L
Methyl bromide	USEPA 8260B	2.0	0.2	µg/L
Methyl chloride	USEPA 8260B	1.0	0.3	µg/L
Methylene bromide	USEPA 8260B	1.0	0.2	µg/L
Methylene chloride	USEPA 8260B	10	2.0	µg/L
Methyl ethyl ketone	USEPA 8260B	10	2.0	µg/L
Methyl Tert Butyl Ether	USEPA 8260B	1.0	0.2	µg/L
Naphthalene	USEPA 8260B	5.0	0.5	µg/L
n-Propylbenzene	USEPA 8260B	2.0	0.2	µg/L
Styrene	USEPA 8260B	1.0	0.2	µg/L
Tert-Amyl Methyl Ether	USEPA 8260B	2.0	0.4	µg/L

Table 3 Sample Analysis Matrix
Source Area Operable Unit - B.F. Goodrich Superfund Site

Analyte	Method	Reporting Limit (µg/L)	Method Detection Limit (µg/L)	Units
Volatile Organic Compounds				
Tert-Butyl Alcohol	USEPA 8260B	10	2.4	µg/L
1,1,1,2-Tetrachloroethane	USEPA 8260B	1.0	0.3	µg/L
1,1,1-Trichloroethane	USEPA 8260B	1.0	0.2	µg/L
1,1,2,2-Tetrachloroethane	USEPA 8260B	1.0	0.2	µg/L
1,1,2-Trichloroethane	USEPA 8260B	1.0	0.22	µg/L
1,2,3-Trichlorobenzene	USEPA 8260B	2.0	0.2	µg/L
1,2,3-Trichloropropane	USEPA 8260B	2.0	0.2	µg/L
1,2,4-Trichlorobenzene	USEPA 8260B	2.0	0.2	µg/L
1,2,4-Trimethylbenzene	USEPA 8260B	2.0	0.2	µg/L
1,3,5-Trimethylbenzene	USEPA 8260B	2.0	0.2	µg/L
Tetrachloroethene	USEPA 8260B	1.0	0.3	µg/L
Toluene	USEPA 8260B	1.0	0.2	µg/L
Trichloroethene	USEPA 8260B	1.0	0.2	µg/L
Trichlorofluoromethane	USEPA 8260B	1.0	0.2	µg/L
Vinyl chloride	USEPA 8260B	1.0	0.2	µg/L
Xylene (total)	USEPA 8260B	2.0	0.46	µg/L
General Chemistry				
Perchlorate	USEPA 314.0	3.0	0.3	µg/L
Specific Conductivity	USEPA 120.1	1.0		µmhos/cm

Abbreviations:
µg/L = Micrograms per liter
µmhos/cm = Micromhos per centimeter
USEPA = U.S. Environmental Protection Agency

Table 4 *Groundwater Summary Table*
Source Area Operable Unit - B.F. Goodrich Superfund Site

Well	Sample Date	Sample Type	1,2-DCA	Acetone	Carbon Tetrachloride	Chloroform	MTBE	Perchlorate	TBA	Toluene	TCE
1N5W-34D2S	24-May-13	N	< 1.0	< 20	< 1.0	< 1.0	< 1.0	**36.6**	< 10	< 1.0	**1.3**
1N5W-34D3S	24-May-13	N	< 1.0	**4.1 J**	< 1.0	< 1.0	< 1.0	**59.2**	< 10	< 1.0	**1.6**
EPA-MP4A	22-May-13	N	< 1.0	< 20	< 1.0	< 1.0	**0.22 J**	< 3.0	< 10	< 1.0	**0.78 J**
EPA-MP4B	22-May-13	N	< 1.0	< 20	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	**0.68 J**
EPA-MP4C	22-May-13	N	< 1.0	< 20	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	**2.9**
EPA-MP4D	22-May-13	N	< 1.0	< 20	< 1.0	< 1.0	< 1.0	**5.5**	< 10	< 1.0	**4.3**
EPA-MP4D	22-May-13	FD	< 1.0	< 20	< 1.0	< 1.0	< 1.0	**5.4**	< 10	< 1.0	**6**
EPA-MP4E	22-May-13	N	< 1.0	< 20	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0
EPA-MP4E	22-May-13	FD	< 1.0	< 20	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0
EPA-MW9A	24-May-13	N	**0.95 J**	**7.7 J**	< 1.0	< 1.0	< 1.0	**199**	< 10	**20.5**	**7.5**
EPA-MW9B	24-May-13	N	< 1.0	**5.3 J**	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0
PW-2	24-May-13	N	**1.2**	**4.3 J**	< 1.0	**0.51 J**	**0.29 J**	**59.1**	< 10	< 1.0	**91.4**
PW-3	24-May-13	N	< 1.0	< 20	< 1.0	**2.2**	< 1.0	**32**	< 10	< 1.0	**15.9**
PW-4	24-May-13	N	**0.39 J**	**6.6 J**	< 1.0	< 1.0	< 1.0	**18.3**	< 10	< 1.0	**13.1**
PW-5A	21-May-13	N	< 1.0	< 20	< 1.0	< 1.0	< 1.0	**169**	< 10	< 1.0	**0.26 J**
PW-5B	21-May-13	N	< 1.0	< 20	< 1.0	**0.23 J**	< 1.0	**192**	**2.9 J**	< 1.0	**31.4**
PW-5C	21-May-13	N	< 1.0	< 20	< 1.0	< 1.0	< 1.0	**140**	< 10	< 1.0	**21.2**
PW-5D	21-May-13	N	< 1.0	< 20	< 1.0	< 1.0	< 1.0	**908**	< 10	< 1.0	**21**
PW-5E	21-May-13	N	< 1.0	< 20	< 1.0	< 1.0	< 1.0	**274**	< 10	< 1.0	**4.4**
PW-6A	21-May-13	N	< 1.0	< 20	< 1.0	< 1.0	< 1.0	**54.1**	< 10	< 1.0	**1.5**
PW-6B	21-May-13	N	< 1.0	< 20	< 1.0	< 1.0	< 1.0	**59.2**	< 10	< 1.0	**2.7**
PW-6C	21-May-13	N	< 1.0	< 20	< 1.0	< 1.0	< 1.0	**18.1**	< 10	< 1.0	**0.93 J**
PW-6D	21-May-13	N	< 1.0	< 20	< 1.0	< 1.0	< 1.0	**197**	< 10	< 1.0	**3.1**
PW-6E	21-May-13	N	< 1.0	< 20	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0
PW-6E	21-May-13	FD	< 1.0	< 20	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0
PW-7B	23-May-13	N	< 1.0	< 20	< 1.0	**0.28 J**	< 1.0	**3.1**	< 10	< 1.0	< 1.0
PW-7C	23-May-13	N	< 1.0	< 20	< 1.0	< 1.0	< 1.0	**7.6**	< 10	< 1.0	**0.66 J**
PW-7C	23-May-13	FD	< 1.0	< 20	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	**0.65 J**
PW-7D	22-May-13	N	< 1.0	< 20	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	**0.24 J**

Table 4 *Groundwater Summary Table*
Source Area Operable Unit - B.F. Goodrich Superfund Site

Well	Sample Date	Sample Type	1,2-DCA	Acetone	Carbon Tetrachloride	Chloroform	MTBE	Perchlorate	TBA	Toluene	TCE
PW-7E	22-May-13	N	< 1.0	< 20	< 1.0	< 1.0	< 1.0	**49.9**	< 10	< 1.0	**4.5**
PW-7F	22-May-13	N	< 1.0	< 20	< 1.0	< 1.0	< 1.0	**26.7**	< 10	< 1.0	**0.85 J**
PW-7G	22-May-13	N	< 1.0	< 20	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0
PW-8A	23-May-13	N	< 1.0	< 20	**0.20 J**	**0.32 J**	< 1.0	**73.2**	< 10	< 1.0	**29.3**
PW-8B	23-May-13	N	< 1.0	< 20	< 1.0	**0.24 J**	< 1.0	**109**	< 10	< 1.0	**26.6**
PW-8C	23-May-13	N	< 1.0	< 20	< 1.0	< 1.0	< 1.0	**18.3**	< 10	< 1.0	**0.52 J**
PW-8D	23-May-13	N	< 1.0	< 20	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0
PW-8E	23-May-13	N	< 1.0	< 20	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0
	Rialto ROD Cleanup Standard		NS	NS	0.5	80	NS	6	NS	NS	5

Notes:
Results in micrograms per liter.
< = Compound not detected. Reportable detection limit shown.
Bolded values indicate concentrations above the reportable detection limit.
Shaded values indicate concentrations above the cleanup standards established in the 2010 ROD.
J = The associated numerical value is an estimated quantity.

Abbreviations:
DCA = Dichloroethane
FD = Field duplicate sample
MTBE = Methyl tert butyl ether
N = Normal environmental sample
NS = No standard
ROD = Record of Decision
TBA = Tert-butyl alcohol
TCE = Trichloroethene

Appendix A

Field Logs

WELL GAUGING DATA

Project # 130520-EV1 Date 5/20/13 Client ~~HSI~~ ERM

Site BF Goodrich Rialto

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
TW-1	0833	4					429.30			
CMW-029	0933	2					444.16			
CMW-026	0927	2					450.09			
CMW-022	0940	2					457.44			
IN/SW-34D35	1015	2					493.25		TOV	
IN/SW-34D25	1021	2					493.34		TOV	
EPA MMP-9B	1158	3					473.88		TOC	
EPA-MP-9A	1225	3					473.72			
PW-3A	1320	2					Dry			
PW-3	1329	4					432.22			
PW-4A	1355	2					644.70			
PW-4	1409	4					448.00			
PW-1	1513	4					429.11			
PW-2A	1559	4					Dry			under strong positive pressure
PW-2	1611	4					439.52			
Rialto-1	1715	2					559.87			
Rialto 2	1740	2					477.34			

WELL MONITORING DATA SHEET

Project #: 130520-BV1	Client: ~~FTSI~~ ERM
Sampler: E. Vail	Date: 5/20/13
Well I.D.: PW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD):	Depth to Water (DTW): 43.92
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 475' @ 1620					
1215	19.1	7.50	437.2	18	—	

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

Sampling Date: 5/24/13 Sampling Time: 1215 Depth to Water:

Sample I.D.: PW-2-475-GW-05/24/2013 Laboratory: Kiff CalScience (Other) ~~Sea Co~~

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~~ Sample:	6.27 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-~~purge~~ Sample:	175 mV

WELL MONITORING DATA SHEET

Project #: 130520-EV1	Client: ~~ITSI~~ ERM
Sampler: E. Vail	Date: 5/20/13
Well I.D.: PW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 432.22
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

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

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

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
—	Set Hydrasleeve to 490' @ 1636					
0755	17.0	7.22	436.3	34	—	

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

Sampling Date: 5/24/13 Sampling Time: 0755 Depth to Water:

Sample I.D.: PW-3-490-GW-24/05/2013 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~~ Sample:	5.37	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-~~purge~~ Sample:	117	mV

WELL MONITORING DATA SHEET

Project #: 130520-EV1	Client: ~~ITSI~~ ERM
Sampler: E. Vail	Date: 5/20/13
Well I.D.: PW-4	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): —	Depth to Water (DTW): 448.00
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
—	Set Hydrasleave to 490 @ 1435					
0825	17.3	7.38	376.7	7	—	

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

Sampling Date: 5/24/13 Sampling Time: 0825 Depth to Water:

Sample I.D.: PW-4-490-GW-24/05/2013 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~~ Sample:	5.89	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-~~purge~~ Sample:	127	mV

WELL MONITORING DATA SHEET

Project #: 130520-(2)1	Client: ~~ITSI~~ ERM
Sampler: E. Vaul	Date: 5/20/13
Well I.D.: PW-4A	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD):	Depth to Water (DTW): 644.70
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
—	Set Hydrasleeve to 645' @ 1450					
—	Insufficient water to sample. No water in					
	Hydrasleeve. Heavy mud on weight and					
	bottom of Hydrasleeve. No Sample Taken					

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: Kiff CalScience Other_____

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

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

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

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

WELL MONITORING DATA SHEET

Project #: 130520-EV1	Client: ~~FTSI~~ ERM
Sampler: EVan.1	Date: 5/20/13
Well I.D.: EPA-MP-9A	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth (TD): /	Depth to Water (DTW): 473.72
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
	— Set Hydrasleeve to 535' @ 1235					
0930	17.4	7.76	310.9	419	—	

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

Sampling Date: 5/24/13 Sampling Time: 0930 Depth to Water:

Sample I.D.: EPA-MP-9A-535-GW-24/05/13 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~~ sample:	4.27 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-~~purge~~ sample:	17 mV

WELL MONITORING DATA SHEET

Project #: 130520-EV1	Client: ~~TTSI~~ ERM
Sampler: E. Vail	Date: 5/20/13
Well I.D.: EPA-MMP-9B	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth (TD):	Depth to Water (DTW): 473.88
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:) Hydrasleeve

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

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

Time	Temp (°F or °C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
	— Set Hydrasleeve to 725' @ 1215					
0955	18.0		262.1	454	—	

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

Sampling Date: 5/24/13 Sampling Time: 0955 Depth to Water:

Sample I.D.: EPA-MMP-9B-725-GW-24/05/2013 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~~ Sample:	7.18 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-~~purge~~ Sample:	172 mV

WELL MONITORING DATA SHEET

Project #: 130520-EV1	Client: ~~ITSI~~ ERM
Sampler: E. Vaal	Date: 5/20/13
Well I.D.: 1N/5W-34D2S	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 493.34
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (TOV) PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: —	

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

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

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

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
—	Set Hydrasleeve to 770' @ 1100					
1120	18.6	7.45	339.6	40	—	

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

Sampling Date: 5/24/13 Sampling Time: 1120 Depth to Water:

Sample I.D.: 1N/5W-34D2S-770-GW-24/05/2013 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~~ sample:	6.67	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-~~purge~~ sample:	137	mV

WELL MONITORING DATA SHEET

Project #: 130520-EV1	Client: ~~ITSI~~ ERM
Sampler: E. Vail	Date: 5/20/13
Well I.D.: 1N/5W-34D3S	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): /	Depth to Water (DTW): 493.25
Depth to Free Product: /	Thickness of Free Product (feet): /
Referenced to: (ToV) ~~PVC~~ ~~ow~~ 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 600' @				1040	
1045	18.1	7.45	335.7	13	/	

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

Sampling Date: 5/24/13 Sampling Time: 1045 Depth to Water:

Sample I.D.: 1N/5W-34D3S-600-GW-24/05/2013 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~~ sample:	7.60 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-~~purge~~ sample:	175 mV

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-5
DATE: 05/21/13
LOCATION: Ayala + Easton, Rialto
ELEV. TOP OF WASTBAY CASING 1423
WEATHER: Overcast

PROBE TYPE Westbay
SERIAL NO. EMS 4755
PROJECT RF Goodrich, Rialto, Colton
OPERATOR(S) T. Hoang, N. King
ATM. PRESSURE (Patm): (start) 13.80 (finish) 13.78
30.87°C 20.25°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	672	671	119.45	109.29	119.45	21.34	220.29	451.70	672	1233
SQC	657	655	113.06	103.75	113.06	18.29				1244
LQC	687	687	126.15	157.02	126.15	21.71				1231
d	617	615	95.56	85.63	95.56	17.91	165.71	451.28	617	1248
SQC	602	600	89.04	80.51	89.04	17.82				1249
LQC	632	630	102.10	93.21	102.10	18.04				1246
c	557	555	69.46	59.60	69.46	17.67	105.66	451.33	557	1253
SQC	542	~~62.93~~ 570	62.93	54.90	62.93	17.62				1255
LQC	572	~~75.99~~	~~68.91~~ 75.99	~~68.91~~ 75.99	75.99	17.71				1251
b	512	510	49.85	40.15	49.85	17.61	60.78	451.21	512	1300
SQC	497	495	43.32	33.98	43.32	17.61				1301
LQC	527	525	56.42	90.49	56.42	17.63				1258
a	467	465	30.24	20.60	30.24	17.62	15.68	451.31	467	1305

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-5

DATE: 05/21/13

LOCATION: Ayala + Easton, Rialto

ELEV. TOP OF WASTBAY CASING 1423

WEATHER: Clear Windy

PROBE TYPE Westbay

SERIAL NO. EMS 4755

PROJECT BF Goodrich, Rialto, Colton

OPERATOR(S) T. Hoang

ATM. PRESSURE (Patm): (start) 13.80 (finish) 13.78

30.87°C 20.25°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	452	450	23.82	61.21	23.82	17.63				1306
LQC	482	480	36.81	27.56	36.81	17.62				1303

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-6
DATE: 05/21/13
LOCATION: Leisle St, Rialto
ELEV. TOP OF WASTBAY CASING 1409
WEATHER: Clear

PROBE TYPE Westbay
SERIAL NO. EMS21755
PROJECT BF Goodrich, Rialto
OPERATOR(S) T Hoang, N. King
ATM. PRESSURE (Patm): (start) 13.83 (finish) 13.78
24.52°C 20.20°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	657	657	121.21	108.69	121.21	20.15	218.84	438.15		0811
SQC	642	642	114.78	102.74	114.78	18.40				0813
LQC	672	672	127.76	116.08	127.76	20.95				0805
d	602	602	97.36	84.83	97.36	18.11	163.79	~~478~~ 438.20		0818
SQC	587	587	90.82	78.64	90.82	18.03				0819
LQC	617	617	103.82	92.10	103.82	18.22				0815
c	522	522	62.52	50.18	62.52	17.79	83.85	438.14		0822
SQC	507	507	55.93	45.78	55.93	17.72				0823
LQC	537	537	69.08	56.80	69.08	17.86				0821
b	477	477	42.89	30.75	42.89	17.61	39.03	437.96		0827
SQC	492	492	49.46	39.51	49.46	17.64				0825
a	442	442	27.68	15.51	27.68	17.58	3.87	438.12		0830
SQC	427	427	21.14	9.51	21.14	17.59				0832

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-6

DATE: 05/21/13

LOCATION: Leisle St, Rialto

ELEV. TOP OF WASTBAY CASING 1409

WEATHER: Clear

PROBE TYPE

SERIAL NO. EMS 4755

PROJECT BF Goodrich, Rialto

OPERATOR(S) T. Hoang, N. King

ATM. PRESSURE (Patm): (start) 13.83 (finish) 13.78

24.52 20.20

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	457	457	31.97	66.88	31.97	17.56				0829

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-7

DATE: 05/22/13

LOCATION: Cactus & Walnut Rialto

ELEV. TOP OF WASTBAY CASING 1401

WEATHER: Clear

PROBE TYPE Westbay

SERIAL NO. EMS4755

PROJECT BF Goodrich Rialto

OPERATOR(S) T. Hoang

ATM. PRESSURE (Patm): (start) ~~13.72~~ 13.74 (finish) 13.75

25.61°C 20.31°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
9	817	818	198.45	180.47	198.45	20.63	384.64	432.35	817	1442
SQC	802	801	189.69	212.63	189.69	19.69				1447
LQC	832	831	202.63	242.01	202.63	21.09				1440
f	752	753	170.28	152.37	170.28	19.47	319.81	432.18	752	1450
SQC	737	738	163.83	148.25	163.83	19.14				1452
LQC	767	766	174.78	213.35	174.78	19.51				1449
e	688	687	142.01	124.27	142.01	18.68	254.99	433.00	688	1457
SQC	673	672	135.29	120.14	135.29	18.56				1459
LQC	703	702	148.49	131.93	148.49	18.82				1455
d	630	631	~~118.29~~	102.64	120.26	18.24	~~205.09~~ 205.09	432.90	638	1503
SQC	623	~~624~~	114.51	97.30	114.51	18.17				1506
LQC	653	652	126.78	111.72	126.78	18.45				1501
c	568	569	89.81	72.32	89.81	18.09	135.14	432.75	568	1511

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-7

DATE: 05/22/13

LOCATION: Cactus & Walnut, Rialto

ELEV. TOP OF WASTBAY CASING 1401'

WEATHER: Clear

PROBE TYPE Westbay

SERIAL NO. EMS 4755

PROJECT BF Goodrich Rialto

OPERATOR(S) T. Hoang, N. King

ATM. PRESSURE (Patm): (start) 13.74 (finish) 13.75

25.61°C 20.31°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	553	552	83.34	70.01	83.34	18.08				~~1509~~ 1513
LQC	583	582	96.21	79.79	96.21	18.10				1509
b	498	497	59.38	42.02	59.38	18.09	65.24	432.75	498	1516
SQC	483	482	52.70	35.70	52.70	18.09				1518
LQC	513	512	65.88	52.42	65.88	18.08				1515
a	432	431	31.08	14.10	31.08	18.11	0.83	431.16	432	1521
SQC	417	417	24.48	13.10	24.48	18.14				1523
LQC	447	446	37.58	25.39	37.58	18.10				1520

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-8

DATE: 05/23/13

LOCATION: Linden & Vineyard Rialto

ELEV. TOP OF WASTBAY CASING 1575

WEATHER: Clear

PROBE TYPE Westbay

SERIAL NO. EMS 4755

PROJECT RF Goodrich

OPERATOR(S) T. Hoang, N. King

ATM. PRESSURE (Patm): (start) 13.66 (finish) 13.73

22.22°C 19.44°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)				
e	772	773	138.54	114.85	138.54	19.25	233.44	538.55	772	1221
SQC	757	756	132.17	110.79	132.17	18.29				1232
LQC	787	786	145.90	121.70	145.90	19.46				1219
d	722	723	116.85	93.33	116.85	18.09	183.79	538.20	722	1236
SQC	707	708	110.63	89.36	110.63	18.02				1239
LQC	737	738	123.39	104.89	123.39	18.18				1234
c	647	646	84.28	60.94	84.28	17.76	109.07	537.92	647	1242
SQC	632	633	77.75	57.42	77.75	17.68				1243
LQC	662	662	90.86	70.72	90.86	17.94				1241
b	547	546	40.80	17.70	40.80	17.70	9.32	537.69	547	1248
SQC	532	531	34.12	19.53	34.12	17.39				1250
LQC	562	562	47.30	24.03	47.30	17.53				1246
a	442	441	14.02	30.85	14.02	17.36	39.65	402.34	442	1254

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-8

DATE: 05/23/13

LOCATION: Vineyard & Linden, Rialto

ELEV. TOP OF WASTBAY CASING 1515

WEATHER: Clear

PROBE TYPE Westbay

SERIAL NO. EMS 4755

PROJECT BFGoodrich

OPERATOR(S) T. Hoang, N. King

ATM. PRESSURE (Patm): (start) 13.66 (finish) 13.73

22.22°C 19.44°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	427	428	14.04	23.27	14.04	17.37				1257
LQC	452	451	14.05	15.02	14.05	17.36				1252

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP4

DATE: 05/22/13

LOCATION: Casmalia - Rialto

ELEV. TOP OF WASTBAY CASING 1457

WEATHER: Clear

PROBE TYPE Westbay

SERIAL NO. EMS 4755

PROJECT BF Goodrich

OPERATOR(S) T. Hoang, N. King

ATM. PRESSURE (Patm): (start) 13.72 (finish) 13.73

22.66°C 21.54°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	753	755	140.66	131.66	140.66	18.74	272.08	480.91	753	0751
SQC	738	737	131.90	180.90	131.90	18.26				0816
LQC	768	768	146.44	205.44	146.44	19.38				0746
d	641	642	91.96	83.28	91.96	18.08	160.47	480.52	641	0822
SQC	626	627	85.53	78.03	85.53	18.07				0824
LQC	656	657	98.51	92.17	98.51	18.13				0818
c	586	587	68.10	59.50	68.10	18.01	105.61	480.38 ~~460.38~~	586	0826
SQC	571	572 ~~61.54~~	61.54	57.22	61.54	18.02				0828
LQC	601	602	74.53	68.65	74.53	18.04				0825
b	507	507	33.72	25.33	33.72	18.03	26.78	480.21	507	0831
SQC	492	492	27.19	27.75	27.19	18.03				0832
LQC	522	522	40.29	34.61	40.29	18.02				0830
a	413	412	14.04	18.61	14.04	18.09	11.28	401.71	413	0835

Comments: DUP-22052013D-2 collected @ EPA-MP4E-GW-22/05/2013
DUP-22052013D-3 collected @ EPA-MP4D-GW-22/05/2013

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP4

DATE: 05/22/13

LOCATION: Casmalia

ELEV. TOP OF WASTBAY CASING 1457

WEATHER: Clear

PROBE TYPE Westbay

SERIAL NO. EMS 4755

PROJECT BF Goodrich

OPERATOR(S) T. Harris, N. King

ATM. PRESSURE (Patm): (start) 13.72 (finish) 13.73

22.66°C 21.54°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	397	14.04	13.50	14.04	18.11				0836
LQC	428	427	14.07	18.24	14.07	18.06				0834

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-5
SAMPLING DATE(S) 05/21/13
LOCATION: Ayala + Easton, Rialto
WATER LEVEL INSIDE CASING: ~~MP 142~~ 433.20
ATM. PRESSURE (PSI): (Start) 13.80 (Finish) 13.78

PROBE TYPE Westbay
SERIAL NO. EMS4755
PROJECT: BF Goodrich
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		ORP (mV)
		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	✓	✓	✓	✓	✓	119.45	✓	109.29	✓	109.29	✓	119.45	24.0	239.2	7.68	1.32	6.81	1238	PW-5E-GW-21/05/2013	160
d	1	✓	✓	✓	✓	✓	95.49	✓	85.59	✓	85.59	✓	95.49	24.5	392.0	7.79	1.11	3.82	1339	PW-5D-GW-21/05/2013	143
c	1	✓	✓	✓	✓	✓	69.20	✓	59.60	✓	59.60	✓	69.20	24.0	385.1	7.76	1.02	3.19	1430	PW-5C-GW-21/05/2013	173
b	1	✓	✓	✓	✓	✓	49.71	✓	40.12	✓	40.12	✓	49.71	24.2	311.6	6.83	0.81	4.19	1510	PW-5B-GW-21/05/2013	220
a	1	✓	✓	✓	✓	✓	30.09	✓	20.65	✓	20.65	✓	30.09	25.1	325.2	7.68	0.92	4.39	1535	PW-5A-GW-21/05/2013	160

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-6
SAMPLING DATE(S) 05/21/13
LOCATION: Laiske St, Rialto
WATER LEVEL INSIDE CASING: 416.49
ATM. PRESSURE (PSI): (Start) 13.83 (Finish) 13.78
24.52°C 20.20°

PROBE TYPE Westbay
SERIAL NO. EMS 4755
PROJECT: BF Goodrich, Rialto
OPERATOR(S) T. Hoang, N. King
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	ORP (mV)
e	1	✓	✓	✓	✓	✓	121.21	✓	108.69	✓	108.69	✓	121.21	21.3	331.1	6.75	1	9.12	0845	PW-6E-GW-21/05/2013	132
d	1	✓	✓	✓	✓	✓	97.26	✓	84.83	✓	84.83	✓	97.26	21.3	233.5	7.23	1	7.11	0930	PW-6D-GW-21/05/2013	140
c	1	✓	✓	✓	✓	✓	61.43	✓	50.13	✓	50.13	✓	61.43	22.1	188.9	7.61	1	3.68	1015	PW-6C-GW-21/05/2013	124
b	1	✓	✓	✓	✓	✓	41.79	✓	30.68	✓	30.68	✓	41.79	22.0	203.9	7.82	1	3.84	1045	PW-6B-GW-21/05/2013	127
a	1	✓	✓	✓	✓	✓	26.59	✓	15.48	✓	15.48	✓	26.59	22.6	304.0	7.48	1	2.91	1140	PW-6A-GW-21/05/2013	131

Comments: DOP-21052013D-1 collected @ PW-6E Field Blank - 21052013FB-1 @ 0905
Equipment Blank - 21052013EB-1 @ 0910

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-7
SAMPLING DATE(S) 05/22/13 & 05/23/13
LOCATION: Cactus & Walnut, Rialto
WATER LEVEL INSIDE CASING: 397.20 / 05/23 398.10 05/23
ATM. PRESSURE (PSI): (Start) 13.74 (Finish) 13.75 / 13.81 13.89
25.61°C 20.31 / 20.28°C 20.15°C

PROBE TYPE Westbay
SERIAL NO. EMS 4755
PROJECT: BFGoodrich
OPERATOR(S) T. Hoang, N. King
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	ORP (mV)
g	1	✓	✓	✓	✓	✓	198.45	✓	180.47	✓	180.47	✓	198.45	25.1	263.3	7.96	2.	6.31	1524	PW-7G-6W-22/05/2013	122
f	1	✓	✓	✓	✓	✓	170.14	✓	152.33	✓	152.33	✓	170.14	26.1	364.6	7.21	1.12	7.29	1600	PW-7F-6W-22/05/2013	186
e	1	✓	✓	✓	✓	✓	142.08	✓	124.20	✓	124.20	✓	142.08	22.2	419.9	7.29	1.10	8.78	1625	PW-7E-6W-22/05/2013	183
d	1	✓	✓	✓	✓	✓	119.86	✓	102.57	✓	102.57	✓	119.86	22.2	442.1	7.26	0.91	7.71	1640	PW-7D-6W-22/05/2013	189
c	1	✓	✓	✓	✓	✓	90.46	✓	72.26	✓	72.26	✓	90.46	18.6	479.1	8.12	1.82	8.34	0910	PW-7C-6W-23/05/2013	142
c	2	✓	✓	✓	✓	✓	90.49	✓	72.25	✓	72.25	✓	90.49								
b	1	✓	✓	✓	✓	✓	59.13	✓	41.94	✓	41.94	✓	59.13	20.7	385.4	7.77	1.61	7.31	1040	PW-7B-6W-23/05/2013	154
~~a~~	~~1~~	~~✓~~	~~✓~~	~~✓~~	~~✓~~	~~✓~~	~~30.89~~	~~✓~~	~~14.06~~	~~✓~~										~~PW-7A-6W-23/05/2013~~	
a	1	✓	✓	✓	✓	✓	30.89	✓	14.06	✓	14.06	✓	30.89	(insufficient Water)						PW-7A-6W-23/05/2013	

Comments: DUP 23052013D-3 - collected @ PW-7C-6W-23/05/2013 Equipment Blank - 23052013EB-3 collected @ PW-7C-6W-23/05/2013
Field Blank - 23052013FB-3 collected @ PW-7C-6W-23/05/2013

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-8
SAMPLING DATE(S) 05/23/13
LOCATION: Linden & Vineyard Rialto
WATER LEVEL INSIDE CASING: 493.26
ATM. PRESSURE (PSI): (Start) 13.66 (Finish) 13.73
22.22°C 19.44°C

PROBE TYPE Westbay
SERIAL NO. EMS 4755
PROJECT: BF Goodrich
OPERATOR(S) T. Hoang, N. King
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	ORP (mV)
e	1	✓	✓	✓	✓	✓	138.54	✓	114.85	✓	114.85	✓	138.54	24.8	284.3	7.86	1.73	4.91	1305	PW-8E-GW-23/05/2013	147
d	1	✓	✓	✓	✓	✓	116.85	✓	93.29	✓	93.29	✓	116.85	21.7	261.0	7.73	4.11	5.72	1325	PW-8D-GW-23/05/2013	161
c	1	✓	✓	✓	✓	✓	84.20	✓	61.03	✓	61.03	✓	84.20	21.6	324.0	7.58	1.75	4.62	1349	PW-8C-GW-23/05/2013	179
b	1	✓	✓	✓	✓	✓	40.55	✓	17.69	✓	17.69	✓	40.55	22.0	382.4	7.68	1.34	4.21	1515	PW-8B-GW-23/05/2013	170
a	1	✓	✓	✓	✓	✓	13.89	✓	30.84	✓	30.84	✓	13.89	21.0	391.2	7.50	1.28	4.35	1600	PW-8A-GW-23/05/2013	179

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: EPA-MP4
SAMPLING DATE(S) 05/22/13
LOCATION: Casmalia-Rialto
WATER LEVEL INSIDE CASING: 46.817
ATM. PRESSURE (PSI): (Start) 13.72 (Finish) 13.73
22.66°C 21.54°C

PROBE TYPE Westbay
SERIAL NO. BMS 4755
PROJECT: BF Goodrich
OPERATOR(S) T. Hoang, N. King
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	ORP (mV)
e	1	✓	✓	✓	✓	✓	140.66	✓	131.66	✓	131.66	✓	140.66	22.4	324.8	8.15	21	6.40	0905	EPA-MP4E-GW-22/05/2013	115
e	2	✓	✓	✓	✓	✓	140.59	✓	131.68	✓	131.68	✓	140.59								
d	1	✓	✓	✓	✓	✓	91.84	✓	83.26	✓	83.26	✓	91.84	22.5	460.3	8.10	5	6.11	1010	EPA-MP4D-GW-22/05/2013	118
c	1	✓	✓	✓	✓	✓	66.95	✓	59.45	✓	59.45	✓	66.95	22.4	423.9	7.94	3	3.96	1100	EPA-MP4C-GW-22/05/2013	117
b	1	✓	✓	✓	✓	✓	32.60	✓	25.38	✓	25.38	✓	32.60	22.6	458.9	7.91	3	2.85	1140	EPA-MP4B-GW-22/05/2013	130
a	1	✓	✓	✓	✓	✓	13.96	✓	18.53	✓	18.53	✓	13.96	26.1	299.1	7.94	1	2.73	1250	EPA-MP4A-GW-22/05/2013	

Comments:

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PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB - Accutest

COC 1 of 2

CHAIN OF CUSTODY

CLIENT: ERM

SITE: BF Goodrich Rialto Superfund Site

Project Code/Job #: 0179962.04.C

Billing Information:
PO# 0179962.04.C

Report to:
Heather Balfour
ERM
2525 Natomas Park Drive, Suite 350
Sacramento, California 95833
Tel: +01 916 999 8944
heather.balfour@erm.com

VOC's 8260B—(3) 40ml VOA Vials with HCl
Perchlorate (314)—(1) 250 mL Poly Unpreserved

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS #	VOC's 8260B	Perchlorate 314.0	ADD'L INFORMATION
21052013TB-1	05/21/13	0800	GW	3	X		
PW-6E-GW-21/05/2013		0845	GW	4	X	X	
21052013D-1		—	GW	4	X	X	
21052013FB-1		0905	GW	4	X	X	
21052013EB-1		0910	GW	4	X	X	
~~PW-6D-GW-21/05/2013~~		~~0930~~	~~GW~~	~~4~~	~~X~~	~~X~~	~~[illegible]~~
PW-6D-GW-21/05/2013		0930	GW	4	X	X	
PW-6C-GW-21/05/2013		1015	GW	4	X	X	
PW-6B-GW-21/05/2013		1045	GW	4	X	X	
PW-6A-GW-21/05/2013		1140	GW	4	X	X	

SAMPLING COMPLETED: DATE 05/21/13 TIME 1600

SAMPLING PERFORMED BY: Thinh Hoang

RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY	TIME	RECEIVED BY	TIME
[signature]	1600	MA (SC)	1600
MA (SC)	1140	[signature] 5-22-13	1140

SHIPPED VIA: | TIME SENT: | COOLER #:

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CONDUCT ANALYSIS TO DETECT

LAB - Accutest

Billing Information:
PO# 0179962.04.C

Report to:
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heather.balfour@erm.com

CHAIN OF CUSTODY

CLIENT: ERM

SITE: BF Goodrich Rialto Superfund Site

Project Code/Job #: 0179962.04.C

VOC's 8260B—(3) 40ml VOA Vials with HCl
Perchlorate (314)—(1) 250 mL Poly Unpreserved

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS #		VOC's 8260B	Perchlorate 314.0						ADD'L INFORMATION
PW-5E-GW-21/05/2013	05/21/13	1238	GW	4		X	X						
PW-5D-GW-21/05/2013		1339	GW	4		X	X						
PW-5C-GW-21/05/2013		1430	GW	4		X	X						
PW-5B-GW-21/05/2013		1510	GW	4		X	X						
PW-5A-GW-21/05/2013		1535	GW	4		X	X						

SAMPLING COMPLETED: DATE 05/21/13 TIME 1600

SAMPLING PERFORMED BY: Thinh Hoang

RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY	TIME	RECEIVED BY	TIME
[signature]	1600	MA (SC)	1600
MA (SC)	1140	[signature] 5-22-13	1140

SHIPPED VIA

TIME SENT

COOLER #

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LAB - Accutest

COC 1 of 2

CHAIN OF CUSTODY

CLIENT: ERM

SITE: BF Goodrich Rialto Superfund Site

Project Code/Job #: 0179962.04.C

Billing Information:
PO# 0179962.04.C

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VOC's 8260B—(3) 40ml VOA Vials with HCl
Perchlorate (314)—(1) 250 mL Poly Unpreserved

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS #	VOC's 8260B	Perchlorate 314.0	ADD'L INFORMATION
22052013TB-2	05/22/13	0600	GW	3	X		
EPA-MP4E-GW-22/05/2013		0905	GW	12	X	X	MS / MSD
22052013D-2		—	GW	4	X	X	
22052013FB-2		0920	GW	4	X	X	
22052013EB-2		0925	GW	4	X	X	
EPA-MP4D-GW-22/05/2013		1010	GW	4	X	X	
22052013D-3		—	GW	4	X	X	
EPA-MP4C-GW-22/05/2013		1100	GW	4	X	X	
EPA-MP4B-GW-22/05/2013		1140	GW	4	X	X	
EPA-MP4A-GW-22/05/2013		1230	GW	4	X	X	

SAMPLING COMPLETED: DATE 05/22/13 TIME 1700

SAMPLING PERFORMED BY: Thinh Hoang

RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY	TIME	RECEIVED BY	TIME
[signature]	1700	MA (SC)	1700
MA (SC)	1200	[signature] 5-23-13	1200

SHIPPED VIA | TIME SENT | COOLER #

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CONDUCT ANALYSIS TO DETECT

LAB - Accutest

COC 2 of 2

Billing Information:
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Report to:
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CHAIN OF CUSTODY

CLIENT: ERM

SITE: BF Goodrich Rialto Superfund Site

Project Code/Job #: 0179962.04.C

VOC's 8260B—(3) 40ml VOA Vials with HCl
Perchlorate (314)—(1) 250 mL Poly Unpreserved

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS #		VOC's 8260B	Perchlorate 314.0						ADD'L INFORMATION
PW-7G-GW-22/05/2013	05/22/13	1524	GW	4		X	X						
PW-7F-GW-22/05/2013		1600	GW	4		X	X						
PW-7E-GW-22/05/2013		1625	GW	4		X	X						
PW-7D-GW-22/05/2013		1640	GW	4		X	X						

SAMPLING COMPLETED: 05/22/13 | DATE | TIME 1700

SAMPLING PERFORMED BY: Thinh Hoang

RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY	TIME	RECEIVED BY	TIME
[signature]	1700	MA (SC)	1700
MA (SC)	1200	[signature] 5-23-13	1200

SHIPPED VIA | TIME SENT | COOLER #

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CONDUCT ANALYSIS TO DETECT

LAB - Accutest

COC 1 of 2

Billing Information:
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CHAIN OF CUSTODY

CLIENT: ERM

SITE: BF Goodrich Rialto Superfund Site

Project Code/Job #: 0179962.04.C

VOC's 8260B—(3) 40ml VOA Vials with HCl
Perchlorate (314)—(1) 250 mL Poly Unpreserved

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS #	VOC's 8260B	Perchlorate 314.0						ADD'L INFORMATION
23052013TB-3	05/23/13	0730	GW	3	X							
PW-7C-GW-23/05/2013		0910	GW	12	X	X						MS/MSD
23052013D-3		—	GW	4	X	X						
23052013FB-3		0930	GW	4	X	X						
23052013EB-3		0935	GW	4	X	X						
PW-7B-GW-23/05/2013		1040	GW	4	X	X						
~~PW-7A-GW-23/05/2013~~		~~1130~~	~~GW~~	~~4~~	~~X~~	~~X~~						

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	05/23/13	1645	Thinh Hoang	Standard

RELEASED BY: Thinh Hoang	TIME: 1645	RECEIVED BY: MA		TIME: 1645
RELEASED BY: MA	TIME: 1215	RECEIVED BY: [signature]	5-24	TIME: 1215
RELEASED BY:	TIME:	RECEIVED BY: [signature]		TIME:

SHIPPED VIA	TIME SENT	COOLER #

ORIGINAL

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CONDUCT ANALYSIS TO DETECT

LAB - Accutest

COC 2 of 2

Billing Information:
PO# 0179962.04.C

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CHAIN OF CUSTODY

CLIENT: ERM

SITE: BF Goodrich Rialto Superfund Site

Project Code/Job #: 0179962.04.C

VOC's 8260B—(3) 40ml VOA Vials with HCl
Perchlorate (314)—(1) 250 mL Poly Unpreserved

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS #		VOC's 8260B	Perchlorate 314.0						ADD'L INFORMATION
PW-8E-GW-23/05/2013	05/23/13	1305	GW	4		X	X						
PW-8D-GW-23/05/2013		1325	GW	4		X	X						
PW-8C-GW-23/05/2013		1349	GW	4		X	X						
PW-8B-GW-23/05/2013		1515	GW	4		X	X						
PW-8A-GW-23/05/2013		1600	GW	4		X	X						

SAMPLING COMPLETED: DATE 05/23/13 TIME 1645

SAMPLING PERFORMED BY: Thinh Hoang

RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY	TIME	RECEIVED BY	TIME
[signature]	1645	MA	1645
MA	1215	[signature] 5-24	1215

SHIPPED VIA | TIME SENT | COOLER #

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CHAIN OF CUSTODY

CLIENT: ERM

SITE: BF Goodrich Rialto Superfund Site

Project Code/Job #: 0179962.04.C

CONDUCT ANALYSIS TO DETECT

LAB - Accepted

COC ___ of ___

Billing Information:
PO# 0179962.04.C

Report to:
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VOCs (8260B—(3) 40 ml VOA vials with HCl Preservative (3)40—(1) 250 ml. Poly Unpreserved

SAMPLE I.D.	DATE	TIME	MATRIX	# CONTAINERS	VOCs 8260B	Perchlorate 314.0	ADD'L INFORMATION
PW-3-490-GW-24/05/2013	5/24/13	0755	W		X	X	
PW-Y-490-GW-24/05/2013		0825			X	X	
EPA-MW9A-595-GW-24/05/2013		0930			X	X	
EPA-MMP-90-725-GW-24/05/2013		0955			X	X	
MW-31035-600-GW-24/05/2013		1045			X	X	
IN-SW-31025-770-GW-24/05/2013		1120			X	X	
PW-2-475-GW-24/05/2013		1215			X	X	
24052013TB-4		0530			X		
24052013FB-4		1230			X	X	

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
Emmanuel Vaz	5/24/13	1900	Emmanuel Vaz	

RELEASED BY	TIME	RECEIVED BY	TIME
	1420		1420
RELEASED BY	TIME	RECEIVED BY	TIME
RELEASED BY	TIME	RECEIVED BY	TIME

SHIPPED VIA: | TIME SENT: | COOLER #:

FedEx Satrend...

BLAINE
TECH SERVICES, INC.

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FAX (408) 573-7771
PHONE (408) 573-8400

CHAIN OF CUSTODY

CLIENT: ERM

SITE: BF Goodrich Rialto Superfund Site

Project Code/Job #: 0179962.04.C

CONDUCT ANALYSIS TO DETECT

LAB - Accutest

COC ___ of ___

Billing Information:
PO# 0179962.04.C

Report to:
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heather.balfour@erm.com

VOC's 8260B—(3) 40ml VOA Vials with HCl
Perchlorate (314.0)—(1) 250 mL Poly Unpreserved

SAMPLE I.D.	DATE	TIME	MATRIX #	CONTAINERS	VOC's 8260B	Perchlorate 314.0	Cam 17 metals	TPH-G, TPH-D, TPH-O, MTBE			ADDL INFORMATION
Decon-IDW-24hS/2013	5/29/13	1330	W	(water)	X	X	X	X			

SAMPLING COMPLETED: DATE 5/29/13 TIME 1420 SAMPLING PERFORMED BY: Dominique Velez

RESULTS NEEDED NO LATER THAN:

	TIME	RECEIVED BY	TIME
	1420		1410
	TIME	RECEIVED BY	TIME
	TIME	RECEIVED BY	TIME

SHIPPED VIA: TIME SENT: COOLER #:

WELLHEAD INSPECTION CHECKLIST

Client: ITSF Date: 5/20/13

Site Address: BF Goodrich Rialto

Job Number: 130520-EN1 Technician: E Vail

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
TW-1	Standpipe									
CMW-02a	X	X	X							
CMW-02b	X	X	X							
CMW-02c	X	X	X							
IN/SW-34D35	vault									
IN/SW-34D25	vault									
ERA-MMP-9B	X	X	X							
ERA-MP-9A	X	X	X							
PW-3A	X	X	X							
PW-3	X	X	X							
PW-4A	X	X	X							
PW-4	X	X	X							
PW-1		X	X							X
PW-2A	X	X	X							X
PW-2		X	X							X
Rialto-1										
Rialto-2										

NOTES: PW-1 1/2 tabs stripped, Apron cracked / Chipping
PW-2/~~PW-2A~~ 2/2 tabs broken.

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME ERM @ BF Goodrich				PROJECT NUMBER 130521-HA1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
Ultrameter II	6207750	05/21/13 0540	4.0 7.0 10.0 PH	3.82 7.09 9.89	4.0 7.0 10.0	17.9°C	HH
↓	↓	05/21/13 0545	Cond 3900	3936	3900	17.7°C	HA
YSI 550	08B100950	05/21/13 0550	D.O. 100%	117.3%	100.4%	17.2°C	HH
Ultrameter II	6207750	05/22/13 0510	4.0 7.0 10.0 PH	3.83 7.10 9.96	4.0 7.0 10.0	15.1°C	HH
↓	↓	05/22/13 0513	Cond 3900	3931	3900	15.4°C	HA
YSI 550	08B100950	05/22/13 0516	D.O. 100%	124.5%	100.9%	15.2°C	HA
Ultrameter II	6207750	05/23/13 0555	4.0 7.0 10.0 PH	3.71 7.04 9.92	4.0 7.0 10.0	15.1°C	HH
↓	↓	05/23/13 0558	Cond 3900	3719	3900	15.2°C	HH
YSI 550	08B100950	05/23/13 0602	D.O. 100%	126.5%	100.2%	14.8°C	HH

Appendix B

Chain-of-Custody Forms and Laboratory Data

Northern California
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06/07/13

Technical Report for

ERM-Irvine

BF Goodrich Superfund Sampling,Rialto

0179962.04.C

Accutest Job Number: C27861

Sampling Date: 05/21/13

Report to:

ERM-Irvine
2875 Michelle Drive, #200
Irvine, CA 92606
christopher.berg@erm.com; Alfonso.Nunez@erm.com;
Heather.Balfour@erm.com; Chirayu.Joshi@erm.com;
ATTN: Christopher Berg

Total number of pages in report: **110**

ACCREDITED IN ACCORDANCE WITH nelac

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

James J. Rhudy
Lab Director

Client Service contact: Nutan Kabir 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD/ISO/IEC 17025:2005 (L2242)

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Test results relate only to samples analyzed.

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Accutest Laboratories

Sample Summary

ERM-Irvine

Job No: C27861

BF Goodrich Superfund Sampling, Rialto
Project No: 0179962.04.C

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C27861-1	05/21/13	08:00	BTS	05/23/13	AQ	Trip Blank Water	21052013TB-1
C27861-2	05/21/13	08:45	BTS	05/23/13	AQ	Ground Water	PW-6E-GW-21/05/2013
C27861-3	05/21/13	00:00	BTS	05/23/13	AQ	Ground Water	21052013D-1
C27861-4	05/21/13	09:05	BTS	05/23/13	AQ	Field Blank Water	21052013FB-1
C27861-5	05/21/13	09:10	BTS	05/23/13	AQ	Equipment Blank	21052013EB-1
C27861-6	05/21/13	09:30	BTS	05/23/13	AQ	Ground Water	PW-6D-GW-21/05/2013
C27861-7	05/21/13	10:15	BTS	05/23/13	AQ	Ground Water	PW-6C-GW-21/05/2013
C27861-8	05/21/13	10:45	BTS	05/23/13	AQ	Ground Water	PW-6B-GW-21/05/2013
C27861-9	05/21/13	11:40	BTS	05/23/13	AQ	Ground Water	PW-6A-GW-21/05/2013
C27861-10	05/21/13	12:38	BTS	05/23/13	AQ	Ground Water	PW-5E-GW-21/05/2013
C27861-11	05/21/13	13:39	BTS	05/23/13	AQ	Ground Water	PW-5D-GW-21/05/2013
C27861-12	05/21/13	14:30	BTS	05/23/13	AQ	Ground Water	PW-5C-GW-21/05/2013
C27861-13	05/21/13	15:10	BTS	05/23/13	AQ	Ground Water	PW-5B-GW-21/05/2013

Accutest Laboratories

Sample Summary
(continued)

ERM-Irvine

Job No: C27861

BF Goodrich Superfund Sampling, Rialto
Project No: 0179962.04.C

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C27861-14	05/21/13	15:35	BTS	05/23/13	AQ	Ground Water	PW-5A-GW-21/05/2013

Summary of Hits

Job Number: C27861
Account: ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto
Collected: 05/21/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C27861-1	**21052013TB-1**					
No hits reported in this sample.						
C27861-2	**PW-6E-GW-21/05/2013**					
Specific Conductivity		285	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27861-3	**21052013D-1**					
Specific Conductivity		275	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27861-4	**21052013FB-1**					
No hits reported in this sample.						
C27861-5	**21052013EB-1**					
No hits reported in this sample.						
C27861-6	**PW-6D-GW-21/05/2013**					
Trichloroethylene		3.1	1.0	0.20	ug/l	SW846 8260B
Perchlorate		197	30		ug/l	EPA 314
Specific Conductivity		205	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27861-7	**PW-6C-GW-21/05/2013**					
Trichloroethylene		0.93 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		18.1	3.0		ug/l	EPA 314
Specific Conductivity		172	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27861-8	**PW-6B-GW-21/05/2013**					
Trichloroethylene		2.7	1.0	0.20	ug/l	SW846 8260B
Perchlorate		59.2	6.0		ug/l	EPA 314
Specific Conductivity		184	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27861-9	**PW-6A-GW-21/05/2013**					
Trichloroethylene		1.5	1.0	0.20	ug/l	SW846 8260B
Perchlorate		54.1	6.0		ug/l	EPA 314
Specific Conductivity		279	1.0		umhos/cm	SM18 2510B/EPA 120.1

Summary of Hits

Job Number: C27861
Account: ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto
Collected: 05/21/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C27861-10	**PW-5E-GW-21/05/2013**					
Trichloroethylene		4.4	1.0	0.20	ug/l	SW846 8260B
Perchlorate		274	30		ug/l	EPA 314
Specific Conductivity		230	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27861-11	**PW-5D-GW-21/05/2013**					
Trichloroethylene		21.0	1.0	0.20	ug/l	SW846 8260B
Perchlorate		908	150		ug/l	EPA 314
Specific Conductivity		372	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27861-12	**PW-5C-GW-21/05/2013**					
Trichloroethylene		21.2	1.0	0.20	ug/l	SW846 8260B
Perchlorate		140	15		ug/l	EPA 314
Specific Conductivity		357	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27861-13	**PW-5B-GW-21/05/2013**					
Chloroform		0.23 J	1.0	0.20	ug/l	SW846 8260B
Tert-Butyl Alcohol		2.9 J	10	2.4	ug/l	SW846 8260B
Trichloroethylene		31.4	1.0	0.20	ug/l	SW846 8260B
Perchlorate		192	30		ug/l	EPA 314
Specific Conductivity		362	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27861-14	**PW-5A-GW-21/05/2013**					
Trichloroethylene		0.26 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		169	15		ug/l	EPA 314
Specific Conductivity		353	1.0		umhos/cm	SM18 2510B/EPA 120.1

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	21052013TB-1		
Lab Sample ID:	C27861-1	**Date Sampled:**	05/21/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R17381.D	1	05/28/13	TN	n/a	n/a	VR633
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride [a]	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21052013TB-1		
Lab Sample ID:	C27861-1	**Date Sampled:**	05/21/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene [a]	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21052013TB-1		
Lab Sample ID:	C27861-1	**Date Sampled:**	05/21/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-6E-GW-21/05/2013		
Lab Sample ID:	C27861-2	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R17384.D	1	05/28/13	TN	n/a	n/a	VR633
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride [a]	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-6E-GW-21/05/2013		
Lab Sample ID:	C27861-2	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene [a]	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-6E-GW-21/05/2013		
Lab Sample ID:	C27861-2	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-6E-GW-21/05/2013		
Lab Sample ID:	C27861-2	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 3.0	3.0	ug/l	1	06/01/13 12:56	PH	EPA 314
Specific Conductivity	285	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	21052013D-1		
Lab Sample ID:	C27861-3	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R17385.D	1	05/28/13	TN	n/a	n/a	VR633
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride [a]	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21052013D-1		
Lab Sample ID:	C27861-3	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene [a]	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21052013D-1		
Lab Sample ID:	C27861-3	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21052013D-1		
Lab Sample ID:	C27861-3	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 3.0	3.0	ug/l	1	06/01/13 13:14	PH	EPA 314
Specific Conductivity	275	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	21052013FB-1		
Lab Sample ID:	C27861-4	**Date Sampled:**	05/21/13
Matrix:	AQ - Field Blank Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R17382.D	1	05/28/13	TN	n/a	n/a	VR633
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride [a]	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21052013FB-1		
Lab Sample ID:	C27861-4	**Date Sampled:**	05/21/13
Matrix:	AQ - Field Blank Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene [a]	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	101%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21052013FB-1		
Lab Sample ID:	C27861-4	**Date Sampled:**	05/21/13
Matrix:	AQ - Field Blank Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21052013FB-1		
Lab Sample ID:	C27861-4	**Date Sampled:**	05/21/13
Matrix:	AQ - Field Blank Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 3.0	3.0	ug/l	1	06/01/13 13:31	PH	EPA 314
Specific Conductivity	< 1.0	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	21052013EB-1		
Lab Sample ID:	C27861-5	**Date Sampled:**	05/21/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R17383.D	1	05/28/13	TN	n/a	n/a	VR633
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride [a]	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21052013EB-1		
Lab Sample ID:	C27861-5	**Date Sampled:**	05/21/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene [a]	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21052013EB-1		
Lab Sample ID:	C27861-5	**Date Sampled:**	05/21/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21052013EB-1		
Lab Sample ID:	C27861-5	**Date Sampled:**	05/21/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 3.0	3.0	ug/l	1	06/01/13 13:49	PH	EPA 314
Specific Conductivity	< 1.0	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW-6D-GW-21/05/2013		
Lab Sample ID:	C27861-6	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q15138.D	1	05/28/13	TN	n/a	n/a	VQ607
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-6D-GW-21/05/2013		
Lab Sample ID:	C27861-6	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	3.1	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-130%
2037-26-5	Toluene-D8	104%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-6D-GW-21/05/2013		
Lab Sample ID:	C27861-6	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	106%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-6D-GW-21/05/2013		
Lab Sample ID:	C27861-6	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	197	30	ug/l	10	06/04/13 19:38	PH	EPA 314
Specific Conductivity	205	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW-6C-GW-21/05/2013		
Lab Sample ID:	C27861-7	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q15139.D	1	05/28/13	TN	n/a	n/a	VQ607
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-6C-GW-21/05/2013		
Lab Sample ID:	C27861-7	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	0.93	1.0	0.20	ug/l	J
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	103%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-6C-GW-21/05/2013		
Lab Sample ID:	C27861-7	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	105%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-6C-GW-21/05/2013		
Lab Sample ID:	C27861-7	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	18.1	3.0	ug/l	1	06/01/13 14:58	PH	EPA 314
Specific Conductivity	172	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW-6B-GW-21/05/2013		
Lab Sample ID:	C27861-8	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R17410.D	1	05/29/13	TN	n/a	n/a	VR634
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride [a]	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-6B-GW-21/05/2013		
Lab Sample ID:	C27861-8	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	2.7	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	87%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-6B-GW-21/05/2013		
Lab Sample ID:	C27861-8	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-6B-GW-21/05/2013		
Lab Sample ID:	C27861-8	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	59.2	6.0	ug/l	2	06/04/13 19:55	PH	EPA 314
Specific Conductivity	184	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW-6A-GW-21/05/2013		
Lab Sample ID:	C27861-9	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R17411.D	1	05/29/13	TN	n/a	n/a	VR634
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride [a]	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-6A-GW-21/05/2013		
Lab Sample ID:	C27861-9	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	1.5	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	101%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-6A-GW-21/05/2013		
Lab Sample ID:	C27861-9	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-6A-GW-21/05/2013		
Lab Sample ID:	C27861-9	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	54.1	6.0	ug/l	2	06/04/13 20:13	PH	EPA 314
Specific Conductivity	279	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW-5E-GW-21/05/2013		
Lab Sample ID:	C27861-10	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R17412.D	1	05/29/13	TN	n/a	n/a	VR634
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride [a]	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-5E-GW-21/05/2013		
Lab Sample ID:	C27861-10	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	4.4	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	101%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-5E-GW-21/05/2013		
Lab Sample ID:	C27861-10	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-5E-GW-21/05/2013		
Lab Sample ID:	C27861-10	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	274	30	ug/l	10	06/04/13 20:30	PH	EPA 314
Specific Conductivity	230	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW-5D-GW-21/05/2013		
Lab Sample ID:	C27861-11	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R17413.D	1	05/29/13	TN	n/a	n/a	VR634
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride [a]	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-5D-GW-21/05/2013		
Lab Sample ID:	C27861-11	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	21.0	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-5D-GW-21/05/2013		
Lab Sample ID:	C27861-11	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-5D-GW-21/05/2013		
Lab Sample ID:	C27861-11	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	908	150	ug/l	50	06/04/13 20:47	PH	EPA 314
Specific Conductivity	372	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW-5C-GW-21/05/2013		
Lab Sample ID:	C27861-12	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R17414.D	1	05/29/13	TN	n/a	n/a	VR634
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride [a]	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-5C-GW-21/05/2013		
Lab Sample ID:	C27861-12	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	21.2	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	101%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-5C-GW-21/05/2013		
Lab Sample ID:	C27861-12	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-5C-GW-21/05/2013		
Lab Sample ID:	C27861-12	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	140	15	ug/l	5	06/04/13 21:05	PH	EPA 314
Specific Conductivity	357	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW-5B-GW-21/05/2013		
Lab Sample ID:	C27861-13	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U11299.D	1	05/29/13	TF	n/a	n/a	VU433
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	0.23	1.0	0.20	ug/l	J
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-5B-GW-21/05/2013		
Lab Sample ID:	C27861-13	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	2.9	10	2.4	ug/l	J
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	31.4	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	103%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-5B-GW-21/05/2013		
Lab Sample ID:	C27861-13	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-5B-GW-21/05/2013		
Lab Sample ID:	C27861-13	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	192	30	ug/l	10	06/04/13 21:22	PH	EPA 314
Specific Conductivity	362	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW-5A-GW-21/05/2013		
Lab Sample ID:	C27861-14	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U11300.D	1	05/29/13	TF	n/a	n/a	VU433
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-5A-GW-21/05/2013		
Lab Sample ID:	C27861-14	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	0.26	1.0	0.20	ug/l	J
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	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%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-5A-GW-21/05/2013		
Lab Sample ID:	C27861-14	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-5A-GW-21/05/2013		
Lab Sample ID:	C27861-14	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	169	15	ug/l	5	06/04/13 22:14	PH	EPA 314
Specific Conductivity	353	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

BLAINE
TECH SERVICES, INC

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY

CLIENT: ERM

SITE: BF Goodrich Rialto Superfund Site

Project Code/Job #: 0179962.04.C

CONDUCT ANALYSIS TO DETECT

LAB - Accutest C27861 COC 1 of 2

Billing Information:
PO# 0179962.04.C

Report to:
Heather Balfour
ERM
2525 Natomas Park Drive, Suite 350
Sacramento, California 95833
Tel: +01 916 999 8944
heather.balfour@erm.com

VOC's 8260B—(3) 40ml VOA Vials with HCl
Perchlorate (314)—(1) 250 mL Poly Unpreserved

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS #		VOC's 8260B	Perchlorate 314.0					LAB #	ADD'L INFORMATION
21052013TB-1	05/21/13	0800	GW	3		X						-1	
PW-6E-GW-21/05/2013		0845	GW	4		X	X					-2	
21052013D-1		—	GW	4		X	X					-3	
21052013FB-1		0905	GW	4		X	X					-4	
21052013EB-1		0910	GW	4		X	X					-5	
~~PW-6D-GW-21/05/2013~~		~~0930~~	~~GW~~	~~4~~		~~X~~	~~X~~						
PW-6D-GW-21/05/2013		0930	GW	4		X	X					-6	
PW-6C-GW-21/05/2013		1015	GW	4		X	X					-7	
PW-6B-GW-21/05/2013		1045	GW	4		X	X					-8	
PW-6A-GW-21/05/2013		1140	GW	4		X	X					-9	

SAMPLING COMPLETED DATE 05/21/13 TIME 1600

SAMPLING PERFORMED BY Thinh Hoang

RESULTS NEEDED NO LATER THAN Standard

RELEASED BY	TIME	RECEIVED BY	TIME
[signature]	1600	MA (SC)	1600
MA (SC)	1140	[signature] 5-22-13	1140
[signature] 5-22-13	1300	[signature] 5/23/13	9:15

SHIPPED VIA | TIME SENT | COOLER # | temp: 5.7-1.0=4.7

IRVINE

4.1
4

C27861: Chain of Custody
Page 1 of 3

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB - Accutest C27861 COC 2 of 2

Billing Information:
PO# 0179962.04.C

Report to:
Heather Balfour
ERM
2525 Natomas Park Drive, Suite 350
Sacramento, California 95833
Tel: +01 916 999 8944
heather.balfour@erm.com

CHAIN OF CUSTODY

CLIENT: ERM

SITE: BF Goodrich Rialto Superfund Site

Project Code/Job #: 0179962.04.C

VOC's 8260B—(3) 40ml VOA Vials with HCl
Perchlorate (314)—(1) 250 mL Poly Unpreserved

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS #		VOC's 8260B	Perchlorate 314.0					LAB #	ADD'L INFORMATION
PW-5E-GW-21/05/2013	05/21/13	1238	GW	4		X	X					-10	
PW-5D-GW-21/05/2013		1339	GW	4		X	X					-11	
PW-5C-GW-21/05/2013		1430	GW	4		X	X					-12	
PW-5B-GW-21/05/2013		1510	GW	4		X	X					-13	
PW-5A-GW-21/05/2013		1535	GW	4		X	X					-14	

SAMPLING COMPLETED: DATE 05/21/13 TIME 1600
SAMPLING PERFORMED BY: Thinh Hoang
RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY	TIME	RECEIVED BY	TIME
Thinh Hoang	1600	MA (SC)	1600
MA (SC)	1140	5-22-13	1140
5-22-13	1300	5/23/13	9:15

SHIPPED VIA: TIME SENT: COOLER #:

IRVINE

C27861: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C27861 **Client:** ERM **Project:** BF GOODRICH RIALTO SUPERFUND SITE

Date / Time Received: 5/23/2013 **Delivery Method:** FedEx **Airbill #'s:** 802667997958

Cooler Temps (Initial/Adjusted): #1: (5.7/4.7); 0

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☐		☑	3. COC Present:	☑		☐
2. Custody Seals Intact:	☐		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:408.588.0200

2105 Lundy Avenue
F: 408.588.0201

San Jose, CA 95131
www/accutest.com

C27861: 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: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR633-MB	R17378.D	1	05/28/13	TN	n/a	n/a	VR633

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

C27861-1, C27861-2, C27861-3, C27861-4, C27861-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	

Method Blank Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR633-MB	R17378.D	1	05/28/13	TN	n/a	n/a	VR633

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

C27861-1, C27861-2, C27861-3, C27861-4, C27861-5

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	91%	70-130%

Method Blank Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR633-MB	R17378.D	1	05/28/13	TN	n/a	n/a	VR633

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

C27861-1, C27861-2, C27861-3, C27861-4, C27861-5

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	96%	70-130%

Method Blank Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ607-MB	Q15131.D	1	05/28/13	TN	n/a	n/a	VQ607

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

C27861-6, C27861-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	

Method Blank Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ607-MB	Q15131.D	1	05/28/13	TN	n/a	n/a	VQ607

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

C27861-6, C27861-7

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	88%	70-130%

Method Blank Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ607-MB	Q15131.D	1	05/28/13	TN	n/a	n/a	VQ607

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

C27861-6, C27861-7

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	106%	70-130%
460-00-4	4-Bromofluorobenzene	104%	70-130%

Method Blank Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR634-MB	R17408.D	1	05/29/13	TN	n/a	n/a	VR634

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

C27861-8, C27861-9, C27861-10, C27861-11, C27861-12

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	

Method Blank Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR634-MB	R17408.D	1	05/29/13	TN	n/a	n/a	VR634

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

C27861-8, C27861-9, C27861-10, C27861-11, C27861-12

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.20	2.0	0.20	ug/l	J
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	70-130%

Method Blank Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR634-MB	R17408.D	1	05/29/13	TN	n/a	n/a	VR634

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

C27861-8, C27861-9, C27861-10, C27861-11, C27861-12

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	102%	70-130%
460-00-4	4-Bromofluorobenzene	97%	70-130%

Method Blank Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU433-MB	U11297.D	1	05/29/13	TF	n/a	n/a	VU433

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

C27861-13, C27861-14

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	

Method Blank Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU433-MB	U11297.D	1	05/29/13	TF	n/a	n/a	VU433

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

C27861-13, C27861-14

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	70-130%

Method Blank Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU433-MB	U11297.D	1	05/29/13	TF	n/a	n/a	VU433

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

C27861-13, C27861-14

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	104%	70-130%
460-00-4	4-Bromofluorobenzene	95%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR633-BS	R17375.D	1	05/28/13	TN	n/a	n/a	VR633
VR633-BSD	R17376.D	1	05/28/13	TN	n/a	n/a	VR633

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

C27861-1, C27861-2, C27861-3, C27861-4, C27861-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	80	67.6	85	65.6	82	3	38-159/24
71-43-2	Benzene	20	21.3	107	21.2	106	0	77-122/25
108-86-1	Bromobenzene	20	22.2	111	22.1	111	0	76-126/17
74-97-5	Bromochloromethane	20	20.8	104	20.2	101	3	77-130/17
75-27-4	Bromodichloromethane	20	22.2	111	22.0	110	1	75-127/16
75-25-2	Bromoform	20	20.2	101	20.1	101	0	69-141/17
104-51-8	n-Butylbenzene	20	21.8	109	22.4	112	3	72-129/18
135-98-8	sec-Butylbenzene	20	20.7	104	21.3	107	3	74-128/18
98-06-6	tert-Butylbenzene	20	20.9	105	21.2	106	1	73-127/18
108-90-7	Chlorobenzene	20	20.2	101	20.0	100	1	77-122/16
75-00-3	Chloroethane	20	19.5	98	18.8	94	4	69-133/18
67-66-3	Chloroform	20	22.2	111	21.7	109	2	74-126/17
95-49-8	o-Chlorotoluene	20	21.2	106	21.1	106	0	72-127/20
106-43-4	p-Chlorotoluene	20	20.9	105	21.2	106	1	68-127/18
56-23-5	Carbon tetrachloride	20	25.0	125	25.2	126	1	71-133/19
75-34-3	1,1-Dichloroethane	20	21.0	105	20.6	103	2	71-125/17
75-35-4	1,1-Dichloroethylene	20	21.0	105	20.8	104	1	66-125/20
563-58-6	1,1-Dichloropropene	20	23.1	116	23.3	117	1	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	20	16.8	84	17.1	86	2	65-131/20
106-93-4	1,2-Dibromoethane	20	20.0	100	19.8	99	1	75-135/17
107-06-2	1,2-Dichloroethane	20	21.6	108	21.4	107	1	71-131/17
78-87-5	1,2-Dichloropropane	20	21.1	106	21.0	105	0	78-124/16
142-28-9	1,3-Dichloropropane	20	20.0	100	19.8	99	1	78-123/16
108-20-3	Di-Isopropyl ether	20	19.8	99	19.3	97	3	68-129/17
594-20-7	2,2-Dichloropropane	20	23.6	118	23.1	116	2	70-131/19
124-48-1	Dibromochloromethane	20	22.0	110	21.7	109	1	76-132/16
75-71-8	Dichlorodifluoromethane	20	27.7	139	24.3	122	13	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	20.8	104	20.3	102	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	23.4	117	23.2	116	1	72-130/16
541-73-1	m-Dichlorobenzene	20	20.4	102	20.5	103	0	75-124/16
95-50-1	o-Dichlorobenzene	20	20.1	101	20.0	100	0	76-124/16
106-46-7	p-Dichlorobenzene	20	22.0	110	21.9	110	0	75-124/16
156-60-5	trans-1,2-Dichloroethylene	20	21.5	108	21.1	106	2	71-126/18
10061-02-6	trans-1,3-Dichloropropene	20	20.9	105	20.6	103	1	71-126/16
100-41-4	Ethylbenzene	20	22.4	112	22.3	112	0	76-126/17
637-92-3	Ethyl Tert Butyl Ether	20	23.3	117	22.6	113	3	75-134/17

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR633-BS	R17375.D	1	05/28/13	TN	n/a	n/a	VR633
VR633-BSD	R17376.D	1	05/28/13	TN	n/a	n/a	VR633

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

C27861-1, C27861-2, C27861-3, C27861-4, C27861-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	80	81.1	101	80.0	100	1	67-150/22
87-68-3	Hexachlorobutadiene	20	21.4	107	22.2	111	4	69-135/20
98-82-8	Isopropylbenzene	20	20.7	104	20.9	105	1	61-125/17
99-87-6	p-Isopropyltoluene	20	20.9	105	21.4	107	2	68-127/18
108-10-1	4-Methyl-2-pentanone	80	80.8	101	80.1	100	1	71-142/21
74-83-9	Methyl bromide	20	20.7	104	19.8	99	4	68-132/18
74-87-3	Methyl chloride	20	19.2	96	18.1	91	6	39-150/28
74-95-3	Methylene bromide	20	20.9	105	20.7	104	1	77-127/16
75-09-2	Methylene chloride	20	20.0	100	19.3	97	4	67-128/18
78-93-3	Methyl ethyl ketone	80	75.9	95	73.7	92	3	56-155/23
1634-04-4	Methyl Tert Butyl Ether	20	21.6	108	21.0	105	3	73-132/17
91-20-3	Naphthalene	20	17.8	89	18.6	93	4	70-136/20
103-65-1	n-Propylbenzene	20	20.7	104	21.0	105	1	71-127/17
100-42-5	Styrene	20	23.0	115	22.8	114	1	72-134/16
994-05-8	Tert-Amyl Methyl Ether	20	22.8	114	22.3	112	2	73-133/17
75-65-0	Tert-Butyl Alcohol	100	115	115	116	116	1	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	20	23.2	116	23.0	115	1	77-130/16
71-55-6	1,1,1-Trichloroethane	20	23.5	118	23.2	116	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	19.6	98	19.4	97	1	77-129/17
79-00-5	1,1,2-Trichloroethane	20	19.9	100	19.7	99	1	77-125/16
87-61-6	1,2,3-Trichlorobenzene	20	17.9	90	19.1	96	6	70-133/18
96-18-4	1,2,3-Trichloropropane	20	20.9	105	20.6	103	1	69-126/18
120-82-1	1,2,4-Trichlorobenzene	20	20.5	103	21.1	106	3	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	23.1	116	23.2	116	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	23.6	118	24.0	120	2	77-129/17
127-18-4	Tetrachloroethylene	20	21.9	110	22.1	111	1	69-127/20
108-88-3	Toluene	20	21.8	109	21.6	108	1	75-122/17
79-01-6	Trichloroethylene	20	22.2	111	22.0	110	1	78-123/17
75-69-4	Trichlorofluoromethane	20	21.9	110	20.0	100	9	65-136/23
75-01-4	Vinyl chloride	20	18.4	92	17.3	87	6	57-146/22
1330-20-7	Xylene (total)	60	63.0	105	62.6	104	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	101%	98%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR633-BS	R17375.D	1	05/28/13	TN	n/a	n/a	VR633
VR633-BSD	R17376.D	1	05/28/13	TN	n/a	n/a	VR633

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

C27861-1, C27861-2, C27861-3, C27861-4, C27861-5

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	99%	98%	70-130%
460-00-4	4-Bromofluorobenzene	99%	98%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ607-BS	Q15128.D	1	05/28/13	TN	n/a	n/a	VQ607
VQ607-BSD	Q15129.D	1	05/28/13	TN	n/a	n/a	VQ607

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

C27861-6, C27861-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	80	65.2	82	65.1	81	0	38-159/24
71-43-2	Benzene	20	18.6	93	18.4	92	1	77-122/25
108-86-1	Bromobenzene	20	20.2	101	20.2	101	0	76-126/17
74-97-5	Bromochloromethane	20	18.9	95	18.6	93	2	77-130/17
75-27-4	Bromodichloromethane	20	20.7	104	20.6	103	0	75-127/16
75-25-2	Bromoform	20	17.8	89	17.7	89	1	69-141/17
104-51-8	n-Butylbenzene	20	21.0	105	21.0	105	0	72-129/18
135-98-8	sec-Butylbenzene	20	20.2	101	20.2	101	0	74-128/18
98-06-6	tert-Butylbenzene	20	21.2	106	21.2	106	0	73-127/18
108-90-7	Chlorobenzene	20	18.0	90	17.9	90	1	77-122/16
75-00-3	Chloroethane	20	15.9	80	15.9	80	0	69-133/18
67-66-3	Chloroform	20	19.8	99	19.4	97	2	74-126/17
95-49-8	o-Chlorotoluene	20	19.1	96	19.1	96	0	72-127/20
106-43-4	p-Chlorotoluene	20	19.9	100	19.8	99	1	68-127/18
56-23-5	Carbon tetrachloride	20	23.3	117	23.1	116	1	71-133/19
75-34-3	1,1-Dichloroethane	20	18.5	93	18.2	91	2	71-125/17
75-35-4	1,1-Dichloroethylene	20	19.9	100	19.2	96	4	66-125/20
563-58-6	1,1-Dichloropropene	20	21.8	109	21.5	108	1	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	20	18.8	94	19.3	97	3	65-131/20
106-93-4	1,2-Dibromoethane	20	20.5	103	20.5	103	0	75-135/17
107-06-2	1,2-Dichloroethane	20	20.6	103	20.5	103	0	71-131/17
78-87-5	1,2-Dichloropropane	20	18.8	94	18.7	94	1	78-124/16
142-28-9	1,3-Dichloropropane	20	19.5	98	19.3	97	1	78-123/16
108-20-3	Di-Isopropyl ether	20	17.7	89	17.4	87	2	68-129/17
594-20-7	2,2-Dichloropropane	20	21.8	109	21.3	107	2	70-131/19
124-48-1	Dibromochloromethane	20	18.4	92	18.3	92	1	76-132/16
75-71-8	Dichlorodifluoromethane	20	20.5	103	22.8	114	11	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	19.3	97	18.9	95	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	20.3	102	20.1	101	1	72-130/16
541-73-1	m-Dichlorobenzene	20	18.6	93	18.5	93	1	75-124/16
95-50-1	o-Dichlorobenzene	20	18.4	92	18.4	92	0	76-124/16
106-46-7	p-Dichlorobenzene	20	19.7	99	19.6	98	1	75-124/16
156-60-5	trans-1,2-Dichloroethylene	20	19.7	99	19.3	97	2	71-126/18
10061-02-6	trans-1,3-Dichloropropene	20	20.4	102	20.2	101	1	71-126/16
100-41-4	Ethylbenzene	20	20.3	102	20.3	102	0	76-126/17
637-92-3	Ethyl Tert Butyl Ether	20	21.7	109	21.3	107	2	75-134/17

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ607-BS	Q15128.D	1	05/28/13	TN	n/a	n/a	VQ607
VQ607-BSD	Q15129.D	1	05/28/13	TN	n/a	n/a	VQ607

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

C27861-6, C27861-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	80	82.8	104	84.7	106	2	67-150/22
87-68-3	Hexachlorobutadiene	20	20.6	103	20.5	103	0	69-135/20
98-82-8	Isopropylbenzene	20	19.3	97	19.3	97	0	61-125/17
99-87-6	p-Isopropyltoluene	20	20.9	105	20.9	105	0	68-127/18
108-10-1	4-Methyl-2-pentanone	80	87.4	109	88.0	110	1	71-142/21
74-83-9	Methyl bromide	20	17.4	87	17.2	86	1	68-132/18
74-87-3	Methyl chloride	20	19.4	97	19.1	96	2	39-150/28
74-95-3	Methylene bromide	20	19.9	100	19.8	99	1	77-127/16
75-09-2	Methylene chloride	20	17.0	85	16.7	84	2	67-128/18
78-93-3	Methyl ethyl ketone	80	75.8	95	75.7	95	0	56-155/23
1634-04-4	Methyl Tert Butyl Ether	20	21.2	106	20.8	104	2	73-132/17
91-20-3	Naphthalene	20	21.1	106	21.4	107	1	70-136/20
103-65-1	n-Propylbenzene	20	19.7	99	19.8	99	1	71-127/17
100-42-5	Styrene	20	19.6	98	19.5	98	1	72-134/16
994-05-8	Tert-Amyl Methyl Ether	20	21.2	106	20.8	104	2	73-133/17
75-65-0	Tert-Butyl Alcohol	100	97.0	97	97.8	98	1	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	20	21.6	108	21.5	108	0	77-130/16
71-55-6	1,1,1-Trichloroethane	20	21.6	108	21.3	107	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	20.3	102	20.5	103	1	77-129/17
79-00-5	1,1,2-Trichloroethane	20	18.5	93	18.5	93	0	77-125/16
87-61-6	1,2,3-Trichlorobenzene	20	19.9	100	19.9	100	0	70-133/18
96-18-4	1,2,3-Trichloropropane	20	17.1	86	17.3	87	1	69-126/18
120-82-1	1,2,4-Trichlorobenzene	20	20.7	104	20.6	103	0	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	22.2	111	22.2	111	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	23.1	116	23.1	116	0	77-129/17
127-18-4	Tetrachloroethylene	20	19.7	99	19.3	97	2	69-127/20
108-88-3	Toluene	20	19.5	98	19.5	98	0	75-122/17
79-01-6	Trichloroethylene	20	20.9	105	20.9	105	0	78-123/17
75-69-4	Trichlorofluoromethane	20	16.5	83	18.2	91	10	65-136/23
75-01-4	Vinyl chloride	20	19.1	96	20.1	101	5	57-146/22
1330-20-7	Xylene (total)	60	56.7	95	56.6	94	0	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	100%	99%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ607-BS	Q15128.D	1	05/28/13	TN	n/a	n/a	VQ607
VQ607-BSD	Q15129.D	1	05/28/13	TN	n/a	n/a	VQ607

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

C27861-6, C27861-7

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	101%	101%	70-130%
460-00-4	4-Bromofluorobenzene	105%	105%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU433-BS	U11293.D	1	05/29/13	TF	n/a	n/a	VU433
VU433-BSD	U11294.D	1	05/29/13	TF	n/a	n/a	VU433

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

C27861-13, C27861-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	80	94.2	118	86.6	108	8	38-159/24
71-43-2	Benzene	20	17.9	90	17.9	90	0	77-122/25
108-86-1	Bromobenzene	20	18.5	93	18.8	94	2	76-126/17
74-97-5	Bromochloromethane	20	18.2	91	18.3	92	1	77-130/17
75-27-4	Bromodichloromethane	20	18.2	91	18.1	91	1	75-127/16
75-25-2	Bromoform	20	20.9	105	20.7	104	1	69-141/17
104-51-8	n-Butylbenzene	20	19.3	97	19.3	97	0	72-129/18
135-98-8	sec-Butylbenzene	20	18.0	90	18.1	91	1	74-128/18
98-06-6	tert-Butylbenzene	20	18.4	92	18.2	91	1	73-127/18
108-90-7	Chlorobenzene	20	17.1	86	17.1	86	0	77-122/16
75-00-3	Chloroethane	20	19.6	98	18.8	94	4	69-133/18
67-66-3	Chloroform	20	18.1	91	17.9	90	1	74-126/17
95-49-8	o-Chlorotoluene	20	18.2	91	18.3	92	1	72-127/20
106-43-4	p-Chlorotoluene	20	17.1	86	17.1	86	0	68-127/18
56-23-5	Carbon tetrachloride	20	18.5	93	18.1	91	2	71-133/19
75-34-3	1,1-Dichloroethane	20	17.3	87	17.3	87	0	71-125/17
75-35-4	1,1-Dichloroethylene	20	15.9	80	15.7	79	1	66-125/20
563-58-6	1,1-Dichloropropene	20	18.9	95	18.7	94	1	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	20	20.7	104	21.1	106	2	65-131/20
106-93-4	1,2-Dibromoethane	20	19.6	98	19.3	97	2	75-135/17
107-06-2	1,2-Dichloroethane	20	19.1	96	18.7	94	2	71-131/17
78-87-5	1,2-Dichloropropane	20	18.3	92	18.3	92	0	78-124/16
142-28-9	1,3-Dichloropropane	20	19.3	97	19.2	96	1	78-123/16
108-20-3	Di-Isopropyl ether	20	17.8	89	17.6	88	1	68-129/17
594-20-7	2,2-Dichloropropane	20	18.9	95	18.4	92	3	70-131/19
124-48-1	Dibromochloromethane	20	18.7	94	18.6	93	1	76-132/16
75-71-8	Dichlorodifluoromethane	20	25.3	127	23.0	115	10	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	17.6	88	17.8	89	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	20.3	102	20.2	101	0	72-130/16
541-73-1	m-Dichlorobenzene	20	17.2	86	17.3	87	1	75-124/16
95-50-1	o-Dichlorobenzene	20	17.4	87	17.6	88	1	76-124/16
106-46-7	p-Dichlorobenzene	20	18.5	93	18.6	93	1	75-124/16
156-60-5	trans-1,2-Dichloroethylene	20	17.4	87	17.4	87	0	71-126/18
10061-02-6	trans-1,3-Dichloropropene	20	18.9	95	18.6	93	2	71-126/16
100-41-4	Ethylbenzene	20	18.9	95	18.9	95	0	76-126/17
637-92-3	Ethyl Tert Butyl Ether	20	20.6	103	20.4	102	1	75-134/17

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU433-BS	U11293.D	1	05/29/13	TF	n/a	n/a	VU433
VU433-BSD	U11294.D	1	05/29/13	TF	n/a	n/a	VU433

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

C27861-13, C27861-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	80	95.8	120	92.4	116	4	67-150/22
87-68-3	Hexachlorobutadiene	20	19.2	96	19.8	99	3	69-135/20
98-82-8	Isopropylbenzene	20	18.1	91	18.0	90	1	61-125/17
99-87-6	p-Isopropyltoluene	20	18.0	90	18.1	91	1	68-127/18
108-10-1	4-Methyl-2-pentanone	80	87.7	110	85.2	107	3	71-142/21
74-83-9	Methyl bromide	20	20.2	101	19.5	98	4	68-132/18
74-87-3	Methyl chloride	20	16.7	84	15.3	77	9	39-150/28
74-95-3	Methylene bromide	20	19.0	95	18.8	94	1	77-127/16
75-09-2	Methylene chloride	20	16.9	85	17.0	85	1	67-128/18
78-93-3	Methyl ethyl ketone	80	95.3	119	91.7	115	4	56-155/23
1634-04-4	Methyl Tert Butyl Ether	20	19.8	99	19.5	98	2	73-132/17
91-20-3	Naphthalene	20	21.4	107	24.2	121	12	70-136/20
103-65-1	n-Propylbenzene	20	17.4	87	17.5	88	1	71-127/17
100-42-5	Styrene	20	19.6	98	19.8	99	1	72-134/16
994-05-8	Tert-Amyl Methyl Ether	20	19.8	99	19.8	99	0	73-133/17
75-65-0	Tert-Butyl Alcohol	100	108	108	105	105	3	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	20	18.9	95	18.9	95	0	77-130/16
71-55-6	1,1,1-Trichloroethane	20	18.2	91	17.9	90	2	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	20.1	101	19.9	100	1	77-129/17
79-00-5	1,1,2-Trichloroethane	20	19.6	98	19.4	97	1	77-125/16
87-61-6	1,2,3-Trichlorobenzene	20	20.3	102	22.8	114	12	70-133/18
96-18-4	1,2,3-Trichloropropane	20	19.3	97	18.8	94	3	69-126/18
120-82-1	1,2,4-Trichlorobenzene	20	19.8	99	20.8	104	5	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	19.6	98	19.5	98	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	20.1	101	20.3	102	1	77-129/17
127-18-4	Tetrachloroethylene	20	18.3	92	18.3	92	0	69-127/20
108-88-3	Toluene	20	18.5	93	18.5	93	0	75-122/17
79-01-6	Trichloroethylene	20	18.0	90	18.0	90	0	78-123/17
75-69-4	Trichlorofluoromethane	20	22.1	111	20.8	104	6	65-136/23
75-01-4	Vinyl chloride	20	23.1	116	22.1	111	4	57-146/22
1330-20-7	Xylene (total)	60	54.0	90	54.1	90	0	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	99%	99%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU433-BS	U11293.D	1	05/29/13	TF	n/a	n/a	VU433
VU433-BSD	U11294.D	1	05/29/13	TF	n/a	n/a	VU433

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

C27861-13, C27861-14

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

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR634-BS	R17405.D	1	05/29/13	TN	n/a	n/a	VR634
VR634-BSD	R17406.D	1	05/29/13	TN	n/a	n/a	VR634

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

C27861-8, C27861-9, C27861-10, C27861-11, C27861-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	80	71.2	89	71.8	90	1	38-159/24
71-43-2	Benzene	20	21.2	106	20.9	105	1	77-122/25
108-86-1	Bromobenzene	20	21.5	108	21.6	108	0	76-126/17
74-97-5	Bromochloromethane	20	20.3	102	19.4	97	5	77-130/17
75-27-4	Bromodichloromethane	20	21.8	109	21.4	107	2	75-127/16
75-25-2	Bromoform	20	19.5	98	19.4	97	1	69-141/17
104-51-8	n-Butylbenzene	20	22.5	113	22.1	111	2	72-129/18
135-98-8	sec-Butylbenzene	20	21.4	107	20.9	105	2	74-128/18
98-06-6	tert-Butylbenzene	20	21.1	106	20.9	105	1	73-127/18
108-90-7	Chlorobenzene	20	19.7	99	19.6	98	1	77-122/16
75-00-3	Chloroethane	20	19.7	99	19.1	96	3	69-133/18
67-66-3	Chloroform	20	22.0	110	21.2	106	4	74-126/17
95-49-8	o-Chlorotoluene	20	21.2	106	21.1	106	0	72-127/20
106-43-4	p-Chlorotoluene	20	20.7	104	20.8	104	0	68-127/18
56-23-5	Carbon tetrachloride	20	25.9	130	25.0	125	4	71-133/19
75-34-3	1,1-Dichloroethane	20	21.0	105	20.3	102	3	71-125/17
75-35-4	1,1-Dichloroethylene	20	21.7	109	20.5	103	6	66-125/20
563-58-6	1,1-Dichloropropene	20	23.9	120	23.2	116	3	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	20	16.7	84	16.9	85	1	65-131/20
106-93-4	1,2-Dibromoethane	20	19.7	99	19.5	98	1	75-135/17
107-06-2	1,2-Dichloroethane	20	21.3	107	21.1	106	1	71-131/17
78-87-5	1,2-Dichloropropane	20	21.0	105	20.7	104	1	78-124/16
142-28-9	1,3-Dichloropropane	20	19.7	99	19.5	98	1	78-123/16
108-20-3	Di-Isopropyl ether	20	19.9	100	19.1	96	4	68-129/17
594-20-7	2,2-Dichloropropane	20	23.8	119	23.4	117	2	70-131/19
124-48-1	Dibromochloromethane	20	21.0	105	21.0	105	0	76-132/16
75-71-8	Dichlorodifluoromethane	20	24.4	122	24.6	123	1	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	20.6	103	19.7	99	4	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	23.1	116	22.6	113	2	72-130/16
541-73-1	m-Dichlorobenzene	20	20.1	101	20.1	101	0	75-124/16
95-50-1	o-Dichlorobenzene	20	19.6	98	19.6	98	0	76-124/16
106-46-7	p-Dichlorobenzene	20	21.4	107	21.6	108	1	75-124/16
156-60-5	trans-1,2-Dichloroethylene	20	21.6	108	20.8	104	4	71-126/18
10061-02-6	trans-1,3-Dichloropropene	20	20.4	102	20.2	101	1	71-126/16
100-41-4	Ethylbenzene	20	22.2	111	22.0	110	1	76-126/17
637-92-3	Ethyl Tert Butyl Ether	20	23.1	116	22.2	111	4	75-134/17

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR634-BS	R17405.D	1	05/29/13	TN	n/a	n/a	VR634
VR634-BSD	R17406.D	1	05/29/13	TN	n/a	n/a	VR634

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

C27861-8, C27861-9, C27861-10, C27861-11, C27861-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	80	83.8	105	83.4	104	0	67-150/22
87-68-3	Hexachlorobutadiene	20	22.3	112	21.8	109	2	69-135/20
98-82-8	Isopropylbenzene	20	20.8	104	20.4	102	2	61-125/17
99-87-6	p-Isopropyltoluene	20	21.2	106	20.9	105	1	68-127/18
108-10-1	4-Methyl-2-pentanone	80	83.1	104	81.6	102	2	71-142/21
74-83-9	Methyl bromide	20	21.0	105	20.1	101	4	68-132/18
74-87-3	Methyl chloride	20	19.3	97	20.1	101	4	39-150/28
74-95-3	Methylene bromide	20	20.6	103	20.4	102	1	77-127/16
75-09-2	Methylene chloride	20	19.6	98	18.8	94	4	67-128/18
78-93-3	Methyl ethyl ketone	80	77.4	97	76.9	96	1	56-155/23
1634-04-4	Methyl Tert Butyl Ether	20	21.4	107	20.6	103	4	73-132/17
91-20-3	Naphthalene	20	18.5	93	18.6	93	1	70-136/20
103-65-1	n-Propylbenzene	20	21.1	106	20.8	104	1	71-127/17
100-42-5	Styrene	20	22.5	113	22.3	112	1	72-134/16
994-05-8	Tert-Amyl Methyl Ether	20	22.6	113	21.9	110	3	73-133/17
75-65-0	Tert-Butyl Alcohol	100	117	117	113	113	3	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	20	22.4	112	22.3	112	0	77-130/16
71-55-6	1,1,1-Trichloroethane	20	24.1	121	23.0	115	5	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	19.4	97	19.5	98	1	77-129/17
79-00-5	1,1,2-Trichloroethane	20	19.5	98	19.4	97	1	77-125/16
87-61-6	1,2,3-Trichlorobenzene	20	18.7	94	18.7	94	0	70-133/18
96-18-4	1,2,3-Trichloropropane	20	20.7	104	20.4	102	1	69-126/18
120-82-1	1,2,4-Trichlorobenzene	20	20.5	103	20.4	102	0	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	23.0	115	22.9	115	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	23.7	119	23.6	118	0	77-129/17
127-18-4	Tetrachloroethylene	20	22.1	111	21.7	109	2	69-127/20
108-88-3	Toluene	20	21.5	108	21.4	107	0	75-122/17
79-01-6	Trichloroethylene	20	22.2	111	21.8	109	2	78-123/17
75-69-4	Trichlorofluoromethane	20	20.1	101	19.5	98	3	65-136/23
75-01-4	Vinyl chloride	20	17.7	89	17.5	88	1	57-146/22
1330-20-7	Xylene (total)	60	62.0	103	61.7	103	0	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	102%	98%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR634-BS	R17405.D	1	05/29/13	TN	n/a	n/a	VR634
VR634-BSD	R17406.D	1	05/29/13	TN	n/a	n/a	VR634

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

C27861-8, C27861-9, C27861-10, C27861-11, C27861-12

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	99%	100%	70-130%
460-00-4	4-Bromofluorobenzene	100%	99%	70-130%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR633-LCS	R17377.D	1	05/28/13	TN	n/a	n/a	VR633

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

C27861-1, C27861-2, C27861-3, C27861-4, C27861-5

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	94%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ607-LCS	Q15130.D	1	05/28/13	TN	n/a	n/a	VQ607

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

C27861-6, C27861-7

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	94%	70-130%
2037-26-5	Toluene-D8	104%	70-130%
460-00-4	4-Bromofluorobenzene	106%	70-130%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU433-LCS	U11295.D	1	05/29/13	TF	n/a	n/a	VU433

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

C27861-13, C27861-14

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	70-130%
2037-26-5	Toluene-D8	103%	70-130%
460-00-4	4-Bromofluorobenzene	97%	70-130%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR634-LCS	R17407.D	1	05/29/13	TN	n/a	n/a	VR634

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

C27861-8, C27861-9, C27861-10, C27861-11, C27861-12

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	99%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27845-1MS	R17398.D	5	05/28/13	TN	n/a	n/a	VR633
C27845-1MSD	R17399.D	5	05/28/13	TN	n/a	n/a	VR633
C27845-1	R17380.D	5	05/28/13	TN	n/a	n/a	VR633

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

C27861-1, C27861-2, C27861-3, C27861-4, C27861-5

CAS No.	Compound	C27845-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	100 U		400	362	91	348	87	4	38-159/24
71-43-2	Benzene	5.0 U		100	108	108	107	107	1	77-122/16
108-86-1	Bromobenzene	5.0 U		100	108	108	107	107	1	76-126/17
74-97-5	Bromochloromethane	5.0 U		100	104	104	103	103	1	77-130/17
75-27-4	Bromodichloromethane	5.0 U		100	106	106	103	103	3	75-127/16
75-25-2	Bromoform	5.0 U		100	76.4	76	74.5	75	3	69-141/17
104-51-8	n-Butylbenzene	10 U		100	108	108	108	108	0	72-129/18
135-98-8	sec-Butylbenzene	10 U		100	104	104	104	104	0	74-128/18
98-06-6	tert-Butylbenzene	10 U		100	104	104	104	104	0	73-127/18
108-90-7	Chlorobenzene	5.0 U		100	101	101	99.8	100	1	77-122/16
75-00-3	Chloroethane	5.0 U		100	98.0	98	98.2	98	0	69-133/18
67-66-3	Chloroform	5.0 U		100	115	115	115	115	0	74-126/17
95-49-8	o-Chlorotoluene	10 U		100	107	107	107	107	0	72-127/20
106-43-4	p-Chlorotoluene	10 U		100	104	104	103	103	1	68-127/18
56-23-5	Carbon tetrachloride	5.0 U		100	127	127	123	123	3	71-133/19
75-34-3	1,1-Dichloroethane	5.0 U		100	110	110	109	109	1	71-125/17
75-35-4	1,1-Dichloroethylene	5.0 U		100	109	109	107	107	2	66-125/20
563-58-6	1,1-Dichloropropene	5.0 U		100	119	119	116	116	3	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	10 U		100	85.9	86	82.7	83	4	65-131/20
106-93-4	1,2-Dibromoethane	5.0 U		100	101	101	98.5	99	3	75-135/17
107-06-2	1,2-Dichloroethane	5.0 U		100	112	112	109	109	3	71-131/17
78-87-5	1,2-Dichloropropane	5.0 U		100	108	108	106	106	2	78-124/16
142-28-9	1,3-Dichloropropane	5.0 U		100	102	102	99.2	99	3	78-123/16
108-20-3	Di-Isopropyl ether	10 U		100	103	103	102	102	1	68-129/17
594-20-7	2,2-Dichloropropane	5.0 U		100	112	112	109	109	3	70-131/19
124-48-1	Dibromochloromethane	5.0 U		100	92.1	92	90.5	91	2	76-132/16
75-71-8	Dichlorodifluoromethane	5.0 U		100	150	150	141	141	6	32-168/28
156-59-2	cis-1,2-Dichloroethylene	252		100	344	92	345	93	0	73-126/17
10061-01-5	cis-1,3-Dichloropropene	5.0 U		100	109	109	108	108	1	72-130/16
541-73-1	m-Dichlorobenzene	5.0 U		100	100	100	99.3	99	1	75-124/16
95-50-1	o-Dichlorobenzene	5.0 U		100	99.0	99	98.1	98	1	76-124/16
106-46-7	p-Dichlorobenzene	5.0 U		100	108	108	107	107	1	75-124/16
156-60-5	trans-1,2-Dichloroethylene	4.5	J	100	114	110	114	110	0	71-126/18
10061-02-6	trans-1,3-Dichloropropene	5.0 U		100	97.8	98	96.2	96	2	71-126/16
100-41-4	Ethylbenzene	5.0 U		100	112	112	111	111	1	76-126/17
637-92-3	Ethyl Tert Butyl Ether	10 U		100	120	120	118	118	2	75-134/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27845-1MS	R17398.D	5	05/28/13	TN	n/a	n/a	VR633
C27845-1MSD	R17399.D	5	05/28/13	TN	n/a	n/a	VR633
C27845-1	R17380.D	5	05/28/13	TN	n/a	n/a	VR633

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

C27861-1, C27861-2, C27861-3, C27861-4, C27861-5

CAS No.	Compound	C27845-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	50 U		400	414	104	397	99	4	67-150/22
87-68-3	Hexachlorobutadiene	10 U		100	96.4	96	102	102	6	69-135/20
98-82-8	Isopropylbenzene	5.0 U		100	104	104	103	103	1	61-125/17
99-87-6	p-Isopropyltoluene	10 U		100	101	101	102	102	1	68-127/18
108-10-1	4-Methyl-2-pentanone	50 U		400	410	103	395	99	4	71-142/21
74-83-9	Methyl bromide	10 U		100	105	105	104	104	1	68-132/18
74-87-3	Methyl chloride	5.0 U		100	92.4	92	96.8	97	5	39-150/28
74-95-3	Methylene bromide	5.0 U		100	105	105	103	103	2	77-127/16
75-09-2	Methylene chloride	50 U		100	103	103	102	102	1	67-128/18
78-93-3	Methyl ethyl ketone	50 U		400	381	95	371	93	3	56-155/23
1634-04-4	Methyl Tert Butyl Ether	5.0 U		100	110	110	108	108	2	73-132/17
91-20-3	Naphthalene	25 U		100	90.7	91	91.5	92	1	70-136/20
103-65-1	n-Propylbenzene	10 U		100	104	104	104	104	0	71-127/17
100-42-5	Styrene	5.0 U		100	105	105	103	103	2	72-134/16
994-05-8	Tert-Amyl Methyl Ether	10 U		100	117	117	115	115	2	73-133/17
75-65-0	Tert-Butyl Alcohol	50 U		500	583	117	567	113	3	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	5.0 U		100	115	115	114	114	1	77-130/16
71-55-6	1,1,1-Trichloroethane	5.0 U		100	123	123	122	122	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	5.0 U		100	101	101	97.3	97	4	77-129/17
79-00-5	1,1,2-Trichloroethane	5.0 U		100	102	102	99.1	99	3	77-125/16
87-61-6	1,2,3-Trichlorobenzene	10 U		100	88.1	88	91.9	92	4	70-133/18
96-18-4	1,2,3-Trichloropropane	10 U		100	98.3	98	95.3	95	3	69-126/18
120-82-1	1,2,4-Trichlorobenzene	10 U		100	98.1	98	99.1	99	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	10 U		100	111	111	110	110	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	10 U		100	111	111	111	111	0	77-129/17
127-18-4	Tetrachloroethylene	5.0 U		100	107	107	106	106	1	69-127/20
108-88-3	Toluene	5.0 U		100	109	109	108	108	1	75-122/17
79-01-6	Trichloroethylene	5.0 U		100	114	114	113	113	1	78-123/17
75-69-4	Trichlorofluoromethane	5.0 U		100	119	119	116	116	3	65-136/23
75-01-4	Vinyl chloride	5.0 U		100	110	110	109	109	1	57-146/22
1330-20-7	Xylene (total)	10 U		300	308	103	305	102	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C27845-1	Limits
1868-53-7	Dibromofluoromethane	105%	104%	99%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27845-1MS	R17398.D	5	05/28/13	TN	n/a	n/a	VR633
C27845-1MSD	R17399.D	5	05/28/13	TN	n/a	n/a	VR633
C27845-1	R17380.D	5	05/28/13	TN	n/a	n/a	VR633

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

C27861-1, C27861-2, C27861-3, C27861-4, C27861-5

CAS No.	Surrogate Recoveries	MS	MSD	C27845-1	Limits
2037-26-5	Toluene-D8	101%	100%	93%	70-130%
460-00-4	4-Bromofluorobenzene	100%	99%	96%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27865-1MS	U11315.D	4	05/29/13	TF	n/a	n/a	VU433
C27865-1MSD	U11316.D	4	05/29/13	TF	n/a	n/a	VU433
C27865-1 [a]	U11301.D	4	05/29/13	TF	n/a	n/a	VU433

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

C27861-13, C27861-14

CAS No.	Compound	C27865-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		320	298	93	309	97	4	38-159/24
71-43-2	Benzene	0.88	J	80	72.0	89	74.5	92	3	77-122/16
108-86-1	Bromobenzene	ND		80	73.2	92	74.3	93	1	76-126/17
74-97-5	Bromochloromethane	ND		80	72.2	90	76.1	95	5	77-130/17
75-27-4	Bromodichloromethane	0.84	J	80	72.9	90	73.7	91	1	75-127/16
75-25-2	Bromoform	ND		80	75.8	95	76.8	96	1	69-141/17
104-51-8	n-Butylbenzene	ND		80	73.4	92	75.8	95	3	72-129/18
135-98-8	sec-Butylbenzene	ND		80	70.5	88	73.2	92	4	74-128/18
98-06-6	tert-Butylbenzene	ND		80	75.3	94	77.6	97	3	73-127/18
108-90-7	Chlorobenzene	ND		80	67.1	84	68.9	86	3	77-122/16
75-00-3	Chloroethane	ND		80	75.3	94	80.7	101	7	69-133/18
67-66-3	Chloroform	8.6		80	81.8	92	84.0	94	3	74-126/17
95-49-8	o-Chlorotoluene	ND		80	73.4	92	67.2	84	9	72-127/20
106-43-4	p-Chlorotoluene	ND		80	66.5	83	67.7	85	2	68-127/18
56-23-5	Carbon tetrachloride	ND		80	73.8	92	75.2	94	2	71-133/19
75-34-3	1,1-Dichloroethane	ND		80	70.4	88	73.4	92	4	71-125/17
75-35-4	1,1-Dichloroethylene	ND		80	61.4	77	65.4	82	6	66-125/20
563-58-6	1,1-Dichloropropene	ND		80	74.5	93	76.9	96	3	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	ND		80	72.9	91	78.3	98	7	65-131/20
106-93-4	1,2-Dibromoethane	ND		80	75.2	94	76.2	95	1	75-135/17
107-06-2	1,2-Dichloroethane	ND		80	76.2	95	75.2	94	1	71-131/17
78-87-5	1,2-Dichloropropane	ND		80	73.1	91	75.4	94	3	78-124/16
142-28-9	1,3-Dichloropropane	ND		80	75.5	94	75.6	95	0	78-123/16
108-20-3	Di-Isopropyl ether	ND		80	72.3	90	75.0	94	4	68-129/17
594-20-7	2,2-Dichloropropane	ND		80	70.7	88	72.9	91	3	70-131/19
124-48-1	Dibromochloromethane	ND		80	70.7	88	71.4	89	1	76-132/16
75-71-8	Dichlorodifluoromethane	ND		80	94.7	118	95.3	119	1	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		80	72.6	91	76.5	96	5	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		80	78.9	99	80.9	101	3	72-130/16
541-73-1	m-Dichlorobenzene	ND		80	66.7	83	68.5	86	3	75-124/16
95-50-1	o-Dichlorobenzene	ND		80	67.9	85	69.6	87	2	76-124/16
106-46-7	p-Dichlorobenzene	ND		80	71.6	90	73.9	92	3	75-124/16
156-60-5	trans-1,2-Dichloroethylene	ND		80	69.7	87	73.9	92	6	71-126/18
10061-02-6	trans-1,3-Dichloropropene	ND		80	72.6	91	72.7	91	0	71-126/16
100-41-4	Ethylbenzene	16.2		80	91.9	95	93.7	97	2	76-126/17
637-92-3	Ethyl Tert Butyl Ether	ND		80	83.2	104	86.2	108	4	75-134/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27865-1MS	U11315.D	4	05/29/13	TF	n/a	n/a	VU433
C27865-1MSD	U11316.D	4	05/29/13	TF	n/a	n/a	VU433
C27865-1 [a]	U11301.D	4	05/29/13	TF	n/a	n/a	VU433

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

C27861-13, C27861-14

CAS No.	Compound	C27865-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND		320	355	111	352	110	1	67-150/22
87-68-3	Hexachlorobutadiene	ND		80	69.6	87	73.7	92	6	69-135/20
98-82-8	Isopropylbenzene	ND		80	71.2	89	73.4	92	3	61-125/17
99-87-6	p-Isopropyltoluene	ND		80	69.0	86	71.5	89	4	68-127/18
108-10-1	4-Methyl-2-pentanone	ND		320	329	103	332	104	1	71-142/21
74-83-9	Methyl bromide	ND		80	77.0	96	82.1	103	6	68-132/18
74-87-3	Methyl chloride	ND		80	65.0	81	72.4	91	11	39-150/28
74-95-3	Methylene bromide	ND		80	74.8	94	75.0	94	0	77-127/16
75-09-2	Methylene chloride	ND		80	68.3	85	71.5	89	5	67-128/18
78-93-3	Methyl ethyl ketone	ND		320	331	103	343	107	4	56-155/23
1634-04-4	Methyl Tert Butyl Ether	ND		80	78.5	98	81.5	102	4	73-132/17
91-20-3	Naphthalene	ND		80	65.0	81	79.7	100	20	70-136/20
103-65-1	n-Propylbenzene	0.90	J	80	69.6	86	71.5	88	3	71-127/17
100-42-5	Styrene	ND		80	67.2	84	66.8	84	1	72-134/16
994-05-8	Tert-Amyl Methyl Ether	ND		80	80.0	100	83.1	104	4	73-133/17
75-65-0	Tert-Butyl Alcohol	ND		400	411	103	439	110	7	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	ND		80	74.4	93	75.1	94	1	77-130/16
71-55-6	1,1,1-Trichloroethane	ND		80	74.1	93	77.0	96	4	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		80	76.1	95	77.6	97	2	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		80	75.6	95	75.6	95	0	77-125/16
87-61-6	1,2,3-Trichlorobenzene	ND		80	65.3	82	78.6	98	18	70-133/18
96-18-4	1,2,3-Trichloropropane	ND		80	76.4	96	77.8	97	2	69-126/18
120-82-1	1,2,4-Trichlorobenzene	ND		80	68.1	85	75.7	95	11	68-129/17
95-63-6	1,2,4-Trimethylbenzene	15.6		80	94.3	98	94.5	99	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	6.3	J	80	87.0	101	89.0	103	2	77-129/17
127-18-4	Tetrachloroethylene	ND		80	69.9	87	73.2	92	5	69-127/20
108-88-3	Toluene	93.8		80	165	89	165	89	0	75-122/17
79-01-6	Trichloroethylene	ND		80	71.7	90	74.3	93	4	78-123/17
75-69-4	Trichlorofluoromethane	ND		80	86.3	108	88.7	111	3	65-136/23
75-01-4	Vinyl chloride	ND		80	89.8	112	92.4	116	3	57-146/22
1330-20-7	Xylene (total)	201		240	421	92	425	93	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C27865-1	Limits
1868-53-7	Dibromofluoromethane	101%	101%		70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27865-1MS	U11315.D	4	05/29/13	TF	n/a	n/a	VU433
C27865-1MSD	U11316.D	4	05/29/13	TF	n/a	n/a	VU433
C27865-1 [a]	U11301.D	4	05/29/13	TF	n/a	n/a	VU433

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

C27861-13, C27861-14

CAS No.	Surrogate Recoveries	MS	MSD	C27865-1	Limits
2037-26-5	Toluene-D8	100%	99%		70-130%
460-00-4	4-Bromofluorobenzene	102%	102%		70-130%

(a) Sample used for QC purposes only.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27887-1MS	R17427.D	2	05/29/13	TN	n/a	n/a	VR634
C27887-1MSD	R17428.D	2	05/29/13	TN	n/a	n/a	VR634
C27887-1	R17417.D	2	05/29/13	TN	n/a	n/a	VR634

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

C27861-8, C27861-9, C27861-10, C27861-11, C27861-12

CAS No.	Compound	C27887-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		160	143	89	140	88	2	38-159/24
71-43-2	Benzene	ND		40	41.9	105	40.9	102	2	77-122/16
108-86-1	Bromobenzene	ND		40	41.0	103	41.5	104	1	76-126/17
74-97-5	Bromochloromethane	ND		40	39.3	98	38.7	97	2	77-130/17
75-27-4	Bromodichloromethane	ND		40	41.5	104	40.8	102	2	75-127/16
75-25-2	Bromoform	ND		40	31.4	79	31.3	78	0	69-141/17
104-51-8	n-Butylbenzene	ND		40	43.2	108	42.8	107	1	72-129/18
135-98-8	sec-Butylbenzene	ND		40	41.6	104	40.9	102	2	74-128/18
98-06-6	tert-Butylbenzene	ND		40	41.2	103	40.8	102	1	73-127/18
108-90-7	Chlorobenzene	ND		40	38.4	96	38.3	96	0	77-122/16
75-00-3	Chloroethane	ND		40	39.5	99	39.4	99	0	69-133/18
67-66-3	Chloroform	ND		40	44.9	112	43.5	109	3	74-126/17
95-49-8	o-Chlorotoluene	ND		40	42.5	106	42.2	106	1	72-127/20
106-43-4	p-Chlorotoluene	ND		40	40.2	101	40.1	100	0	68-127/18
56-23-5	Carbon tetrachloride	ND		40	51.0	128	48.7	122	5	71-133/19
75-34-3	1,1-Dichloroethane	ND		40	43.2	108	41.6	104	4	71-125/17
75-35-4	1,1-Dichloroethylene	13.7		40	57.1	109	51.6	95	10	66-125/20
563-58-6	1,1-Dichloropropene	ND		40	47.1	118	45.2	113	4	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	ND		40	31.6	79	31.5	79	0	65-131/20
106-93-4	1,2-Dibromoethane	ND		40	37.5	94	37.3	93	1	75-135/17
107-06-2	1,2-Dichloroethane	ND		40	42.5	106	41.6	104	2	71-131/17
78-87-5	1,2-Dichloropropane	ND		40	41.2	103	40.9	102	1	78-124/16
142-28-9	1,3-Dichloropropane	ND		40	38.1	95	37.7	94	1	78-123/16
108-20-3	Di-Isopropyl ether	ND		40	40.0	100	38.8	97	3	68-129/17
594-20-7	2,2-Dichloropropane	ND		40	45.1	113	43.1	108	5	70-131/19
124-48-1	Dibromochloromethane	ND		40	36.9	92	36.8	92	0	76-132/16
75-71-8	Dichlorodifluoromethane	ND		40	58.7	147	62.3	156	6	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		40	42.5	106	40.1	100	6	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		40	42.4	106	42.3	106	0	72-130/16
541-73-1	m-Dichlorobenzene	ND		40	38.3	96	38.5	96	1	75-124/16
95-50-1	o-Dichlorobenzene	ND		40	37.3	93	37.5	94	1	76-124/16
106-46-7	p-Dichlorobenzene	ND		40	41.1	103	41.3	103	0	75-124/16
156-60-5	trans-1,2-Dichloroethylene	ND		40	43.3	108	41.4	104	4	71-126/18
10061-02-6	trans-1,3-Dichloropropene	ND		40	38.0	95	37.9	95	0	71-126/16
100-41-4	Ethylbenzene	ND		40	43.9	110	43.3	108	1	76-126/17
637-92-3	Ethyl Tert Butyl Ether	ND		40	45.5	114	44.5	111	2	75-134/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27887-1MS	R17427.D	2	05/29/13	TN	n/a	n/a	VR634
C27887-1MSD	R17428.D	2	05/29/13	TN	n/a	n/a	VR634
C27887-1	R17417.D	2	05/29/13	TN	n/a	n/a	VR634

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

C27861-8, C27861-9, C27861-10, C27861-11, C27861-12

CAS No.	Compound	C27887-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND		160	167	104	163	102	2	67-150/22
87-68-3	Hexachlorobutadiene	ND		40	38.3	96	39.6	99	3	69-135/20
98-82-8	Isopropylbenzene	ND		40	40.8	102	40.0	100	2	61-125/17
99-87-6	p-Isopropyltoluene	ND		40	40.6	102	40.1	100	1	68-127/18
108-10-1	4-Methyl-2-pentanone	ND		160	163	102	159	99	2	71-142/21
74-83-9	Methyl bromide	ND		40	41.9	105	40.5	101	3	68-132/18
74-87-3	Methyl chloride	ND		40	36.3	91	41.3	103	13	39-150/28
74-95-3	Methylene bromide	ND		40	39.8	100	39.1	98	2	77-127/16
75-09-2	Methylene chloride	ND		40	39.3	98	38.2	96	3	67-128/18
78-93-3	Methyl ethyl ketone	ND		160	155	97	151	94	3	56-155/23
1634-04-4	Methyl Tert Butyl Ether	ND		40	41.4	104	40.5	101	2	73-132/17
91-20-3	Naphthalene	ND		40	32.5	81	34.6	87	6	70-136/20
103-65-1	n-Propylbenzene	ND		40	41.5	104	40.9	102	1	71-127/17
100-42-5	Styrene	ND		40	39.1	98	39.0	98	0	72-134/16
994-05-8	Tert-Amyl Methyl Ether	ND		40	43.6	109	43.0	108	1	73-133/17
75-65-0	Tert-Butyl Alcohol	ND		200	235	118	230	115	2	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	ND		40	43.4	109	43.2	108	0	77-130/16
71-55-6	1,1,1-Trichloroethane	ND		40	48.9	122	46.8	117	4	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		40	37.8	95	37.6	94	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		40	38.5	96	37.7	94	2	77-125/16
87-61-6	1,2,3-Trichlorobenzene	ND		40	32.1	80	34.9	87	8	70-133/18
96-18-4	1,2,3-Trichloropropane	ND		40	38.1	95	37.5	94	2	69-126/18
120-82-1	1,2,4-Trichlorobenzene	ND		40	36.2	91	37.6	94	4	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		40	43.0	108	42.9	107	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		40	45.6	114	45.4	114	0	77-129/17
127-18-4	Tetrachloroethylene	ND		40	42.2	106	41.0	103	3	69-127/20
108-88-3	Toluene	ND		40	42.3	106	41.5	104	2	75-122/17
79-01-6	Trichloroethylene	97.3		40	144	117	124	67* [a]	15	78-123/17
75-69-4	Trichlorofluoromethane	ND		40	48.5	121	52.7	132	8	65-136/23
75-01-4	Vinyl chloride	ND		40	44.7	112	45.8	115	2	57-146/22
1330-20-7	Xylene (total)	ND		120	121	101	119	99	2	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C27887-1	Limits
1868-53-7	Dibromofluoromethane	107%	104%	103%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27861
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27887-1MS	R17427.D	2	05/29/13	TN	n/a	n/a	VR634
C27887-1MSD	R17428.D	2	05/29/13	TN	n/a	n/a	VR634
C27887-1	R17417.D	2	05/29/13	TN	n/a	n/a	VR634

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

C27861-8, C27861-9, C27861-10, C27861-11, C27861-12

CAS No.	Surrogate Recoveries	MS	MSD	C27887-1	Limits
2037-26-5	Toluene-D8	101%	102%	101%	70-130%
460-00-4	4-Bromofluorobenzene	101%	99%	98%	70-130%

(a) Outside control limits due to high level in sample relative to spike amount. AZ:M2

* = 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: C27861
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP5112/GN10968	3.0	0.0	ug/l	25	24.7	98.8	85-115%
Perchlorate	GP5119/GN10982	3.0	0.0	ug/l	25	24.4	97.6	85-115%
Specific Conductivity	GN10888	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP5112: C27861-2, C27861-3, C27861-4, C27861-5, C27861-7
Batch GP5119: C27861-6, C27861-8, C27861-9, C27861-10, C27861-11, C27861-12, C27861-13, C27861-14
Batch GN10888: C27861-2, C27861-3, C27861-4, C27861-5, C27861-6, C27861-7, C27861-8, C27861-9, C27861-10, C27861-11, C27861-12, C27861-13, C27861-14
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27861
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP5112/GN10968	ug/l	25	24.8	0.4	
Perchlorate	GP5119/GN10982	ug/l	25	23.1	5.5	

Associated Samples:
Batch GP5112: C27861-2, C27861-3, C27861-4, C27861-5, C27861-7
Batch GP5119: C27861-6, C27861-8, C27861-9, C27861-10, C27861-11, C27861-12, C27861-13, C27861-14
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27861
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN10888	C27861-6	umhos/cm	205	206	0.5	0-10%

Associated Samples:
Batch GN10888: C27861-2, C27861-3, C27861-4, C27861-5, C27861-6, C27861-7, C27861-8, C27861-9, C27861-10, C27861-11, C27861-12, C27861-13, C27861-14
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27861
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP5112/GN10968	C27861-2	ug/l	0.0	25	22.9	91.6	80-120%
Perchlorate	GP5119/GN10982	C27891-2	ug/l	0.78	25	23.2	89.7	80-120%

Associated Samples:
Batch GP5112: C27861-2, C27861-3, C27861-4, C27861-5, C27861-7
Batch GP5119: C27861-6, C27861-8, C27861-9, C27861-10, C27861-11, C27861-12, C27861-13, C27861-14
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27861
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP5112/GN10968	C27861-2	ug/l	0.0	25	22.5	1.8	15%
Perchlorate	GP5119/GN10982	C27891-2	ug/l	0.78	25	23.8	2.6	15%

Associated Samples:
Batch GP5112: C27861-2, C27861-3, C27861-4, C27861-5, C27861-7
Batch GP5119: C27861-6, C27861-8, C27861-9, C27861-10, C27861-11, C27861-12, C27861-13, C27861-14
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
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LABORATORIES

06/10/13

Technical Report for

ERM-Irvine

BF Goodrich Superfund Sampling,Rialto

BF GOODRICH SUPERFUND SAMPLING

Accutest Job Number: C27891

Sampling Date: 05/22/13

Report to:

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Total number of pages in report: **92**

ACCREDITED IN ACCORDANCE WITH nelac

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

James J. Rhudy
Lab Director

Client Service contact: Nutan Kabir 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD/ISO/IEC 17025:2005 (L2242)

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Accutest Laboratories

Sample Summary

ERM-Irvine

Job No: C27891

BF Goodrich Superfund Sampling,Rialto
Project No: BF GOODRICH SUPERFUND SAMPLING

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C27891-1	05/22/13	09:00	TH	05/24/13	AQ	Trip Blank Water	22052013TB-2
C27891-2	05/22/13	09:05	TH	05/24/13	AQ	Ground Water	EPA-MP4E-GW-22/05/2013
C27891-2D	05/22/13	09:05	TH	05/24/13	AQ	Water Dup/MSD	EPA-MP4E-GW-22/05/2013
C27891-2S	05/22/13	09:05	TH	05/24/13	AQ	Water Matrix Spike	EPA-MP4E-GW-22/05/2013
C27891-3	05/22/13	00:00	TH	05/24/13	AQ	Ground Water	22052013D-2
C27891-4	05/22/13	09:20	TH	05/24/13	AQ	Field Blank Water	22052013FB-2
C27891-5	05/22/13	09:25	TH	05/24/13	AQ	Equipment Blank	22052013EB-2
C27891-6	05/22/13	10:10	TH	05/24/13	AQ	Ground Water	EPA-MP4D-GW-22/05/2013
C27891-7	05/22/13	00:00	TH	05/24/13	AQ	Ground Water	22052013D-3
C27891-8	05/22/13	11:00	TH	05/24/13	AQ	Ground Water	EPA-MP4C-GW-22/05/2013
C27891-9	05/22/13	11:40	TH	05/24/13	AQ	Ground Water	EPA-MP4B-GW-22/05/2013
C27891-10	05/22/13	12:30	TH	05/24/13	AQ	Ground Water	EPA-MP4A-GW-22/05/2013
C27891-11	05/22/13	15:24	TH	05/24/13	AQ	Ground Water	PW-7G-GW-22/05/2013

Accutest Laboratories

Sample Summary
(continued)

ERM-Irvine

Job No: C27891

BF Goodrich Superfund Sampling,Rialto
Project No: BF GOODRICH SUPERFUND SAMPLING

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C27891-12	05/22/13	16:00	TH	05/24/13	AQ	Ground Water	PW-7F-GW-22/05/2013
C27891-13	05/22/13	16:25	TH	05/24/13	AQ	Ground Water	PW-7E-GW-22/05/2013
C27891-14	05/22/13	16:40	TH	05/24/13	AQ	Ground Water	PW-7D-GW-22/05/2013

Summary of Hits

Job Number: C27891
Account: ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto
Collected: 05/22/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C27891-1	**22052013TB-2**					
No hits reported in this sample.						
C27891-2	**EPA-MP4E-GW-22/05/2013**					
Specific Conductivity		303	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27891-3	**22052013D-2**					
Specific Conductivity		310	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27891-4	**22052013FB-2**					
Acetone		5.3 J	20	4.0	ug/l	SW846 8260B
C27891-5	**22052013EB-2**					
Acetone		5.5 J	20	4.0	ug/l	SW846 8260B
C27891-6	**EPA-MP4D-GW-22/05/2013**					
Trichloroethylene		4.3	1.0	0.20	ug/l	SW846 8260B
Perchlorate		5.5	3.0		ug/l	EPA 314
Specific Conductivity		470	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27891-7	**22052013D-3**					
Trichloroethylene		6.0	1.0	0.20	ug/l	SW846 8260B
Perchlorate		5.4	3.0		ug/l	EPA 314
Specific Conductivity		470	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27891-8	**EPA-MP4C-GW-22/05/2013**					
Trichloroethylene		2.9	1.0	0.20	ug/l	SW846 8260B
Specific Conductivity		422	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27891-9	**EPA-MP4B-GW-22/05/2013**					
Trichloroethylene		0.68 J	1.0	0.20	ug/l	SW846 8260B
Specific Conductivity		456	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27891-10	**EPA-MP4A-GW-22/05/2013**					
Methyl Tert Butyl Ether		0.22 J	1.0	0.20	ug/l	SW846 8260B

Summary of Hits

Job Number: C27891
Account: ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto
Collected: 05/22/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Trichloroethylene		0.78 J	1.0	0.20	ug/l	SW846 8260B
Specific Conductivity		288	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27891-11	**PW-7G-GW-22/05/2013**					
Specific Conductivity		260	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27891-12	**PW-7F-GW-22/05/2013**					
Trichloroethylene		0.85 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		26.7	3.0		ug/l	EPA 314
Specific Conductivity		360	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27891-13	**PW-7E-GW-22/05/2013**					
Trichloroethylene		4.5	1.0	0.20	ug/l	SW846 8260B
Perchlorate		49.9	3.0		ug/l	EPA 314
Specific Conductivity		417	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27891-14	**PW-7D-GW-22/05/2013**					
Trichloroethylene		0.24 J	1.0	0.20	ug/l	SW846 8260B
Specific Conductivity		436	1.0		umhos/cm	SM18 2510B/EPA 120.1

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Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	22052013TB-2		
Lab Sample ID:	C27891-1	**Date Sampled:**	05/22/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W39541.D	1	05/31/13	TN	n/a	n/a	VW1386
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22052013TB-2		
Lab Sample ID:	C27891-1	**Date Sampled:**	05/22/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	94%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22052013TB-2		
Lab Sample ID:	C27891-1	**Date Sampled:**	05/22/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPA-MP4E-GW-22/05/2013		
Lab Sample ID:	C27891-2	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W39542.D	1	05/31/13	TN	n/a	n/a	VW1386
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPA-MP4E-GW-22/05/2013		
Lab Sample ID:	C27891-2	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	94%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPA-MP4E-GW-22/05/2013		
Lab Sample ID:	C27891-2	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPA-MP4E-GW-22/05/2013		
Lab Sample ID:	C27891-2	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 3.0	3.0	ug/l	1	06/04/13 16:38	PH	EPA 314
Specific Conductivity	303	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	22052013D-2		
Lab Sample ID:	C27891-3	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W39543.D	1	05/31/13	TN	n/a	n/a	VW1386
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22052013D-2		
Lab Sample ID:	C27891-3	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	95%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22052013D-2		
Lab Sample ID:	C27891-3	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22052013D-2		
Lab Sample ID:	C27891-3	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 3.0	3.0	ug/l	1	06/02/13 01:57	PH	EPA 314
Specific Conductivity	310	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	22052013FB-2		
Lab Sample ID:	C27891-4	**Date Sampled:**	05/22/13
Matrix:	AQ - Field Blank Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W39544.D	1	05/31/13	TN	n/a	n/a	VW1386
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.3	20	4.0	ug/l	J
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22052013FB-2		
Lab Sample ID:	C27891-4	**Date Sampled:**	05/22/13
Matrix:	AQ - Field Blank Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	95%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22052013FB-2		
Lab Sample ID:	C27891-4	**Date Sampled:**	05/22/13
Matrix:	AQ - Field Blank Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22052013FB-2		
Lab Sample ID:	C27891-4	**Date Sampled:**	05/22/13
Matrix:	AQ - Field Blank Water	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 3.0	3.0	ug/l	1	06/02/13 02:15	PH	EPA 314
Specific Conductivity	< 1.0	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	22052013EB-2		
Lab Sample ID:	C27891-5	**Date Sampled:**	05/22/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W39545.D	1	05/31/13	TN	n/a	n/a	VW1386
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.5	20	4.0	ug/l	J
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22052013EB-2		
Lab Sample ID:	C27891-5	**Date Sampled:**	05/22/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	96%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22052013EB-2		
Lab Sample ID:	C27891-5	**Date Sampled:**	05/22/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22052013EB-2		
Lab Sample ID:	C27891-5	**Date Sampled:**	05/22/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 3.0	3.0	ug/l	1	06/02/13 02:32	PH	EPA 314
Specific Conductivity	< 1.0	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EPA-MP4D-GW-22/05/2013		
Lab Sample ID:	C27891-6	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W39546.D	1	05/31/13	TN	n/a	n/a	VW1386
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPA-MP4D-GW-22/05/2013		
Lab Sample ID:	C27891-6	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	4.3	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	95%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPA-MP4D-GW-22/05/2013		
Lab Sample ID:	C27891-6	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPA-MP4D-GW-22/05/2013		
Lab Sample ID:	C27891-6	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	5.5	3.0	ug/l	1	06/02/13 02:49	PH	EPA 314
Specific Conductivity	470	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	22052013D-3		
Lab Sample ID:	C27891-7	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W39547.D	1	05/31/13	TN	n/a	n/a	VW1386
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22052013D-3		
Lab Sample ID:	C27891-7	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	6.0	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	95%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22052013D-3		
Lab Sample ID:	C27891-7	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22052013D-3		
Lab Sample ID:	C27891-7	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	5.4	3.0	ug/l	1	06/02/13 03:07	PH	EPA 314
Specific Conductivity	470	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EPA-MP4C-GW-22/05/2013		
Lab Sample ID:	C27891-8	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W39548.D	1	05/31/13	TN	n/a	n/a	VW1386
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPA-MP4C-GW-22/05/2013		
Lab Sample ID:	C27891-8	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	2.9	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	95%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPA-MP4C-GW-22/05/2013		
Lab Sample ID:	C27891-8	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPA-MP4C-GW-22/05/2013		
Lab Sample ID:	C27891-8	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 3.0	3.0	ug/l	1	06/02/13 03:24	PH	EPA 314
Specific Conductivity	422	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EPA-MP4B-GW-22/05/2013		
Lab Sample ID:	C27891-9	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W39549.D	1	05/31/13	TN	n/a	n/a	VW1386
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPA-MP4B-GW-22/05/2013		
Lab Sample ID:	C27891-9	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	0.68	1.0	0.20	ug/l	J
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	96%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPA-MP4B-GW-22/05/2013		
Lab Sample ID:	C27891-9	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPA-MP4B-GW-22/05/2013		
Lab Sample ID:	C27891-9	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 3.0	3.0	ug/l	1	06/02/13 03:42	PH	EPA 314
Specific Conductivity	456	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EPA-MP4A-GW-22/05/2013		
Lab Sample ID:	C27891-10	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W39550.D	1	05/31/13	TN	n/a	n/a	VW1386
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPA-MP4A-GW-22/05/2013		
Lab Sample ID:	C27891-10	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.22	1.0	0.20	ug/l	J
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	0.78	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	95%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPA-MP4A-GW-22/05/2013		
Lab Sample ID:	C27891-10	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPA-MP4A-GW-22/05/2013		
Lab Sample ID:	C27891-10	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 3.0	3.0	ug/l	1	06/02/13 03:59	PH	EPA 314
Specific Conductivity	288	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW-7G-GW-22/05/2013		
Lab Sample ID:	C27891-11	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U11354.D	1	05/31/13	TF	n/a	n/a	VU435
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-7G-GW-22/05/2013		
Lab Sample ID:	C27891-11	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	102%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-7G-GW-22/05/2013		
Lab Sample ID:	C27891-11	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-7G-GW-22/05/2013		
Lab Sample ID:	C27891-11	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 3.0	3.0	ug/l	1	06/02/13 04:51	PH	EPA 314
Specific Conductivity	260	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW-7F-GW-22/05/2013		
Lab Sample ID:	C27891-12	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U11355.D	1	05/31/13	TF	n/a	n/a	VU435
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-7F-GW-22/05/2013		
Lab Sample ID:	C27891-12	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	0.85	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	102%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-7F-GW-22/05/2013		
Lab Sample ID:	C27891-12	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-7F-GW-22/05/2013		
Lab Sample ID:	C27891-12	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	26.7	3.0	ug/l	1	06/02/13 05:09	PH	EPA 314
Specific Conductivity	360	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW-7E-GW-22/05/2013		
Lab Sample ID:	C27891-13	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U11356.D	1	05/31/13	TF	n/a	n/a	VU435
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-7E-GW-22/05/2013		
Lab Sample ID:	C27891-13	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	4.5	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	102%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-7E-GW-22/05/2013		
Lab Sample ID:	C27891-13	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-7E-GW-22/05/2013		
Lab Sample ID:	C27891-13	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	49.9	3.0	ug/l	1	06/02/13 05:26	PH	EPA 314
Specific Conductivity	417	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW-7D-GW-22/05/2013		
Lab Sample ID:	C27891-14	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U11357.D	1	05/31/13	TF	n/a	n/a	VU435
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-7D-GW-22/05/2013		
Lab Sample ID:	C27891-14	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	0.24	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	102%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-7D-GW-22/05/2013		
Lab Sample ID:	C27891-14	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-7D-GW-22/05/2013		
Lab Sample ID:	C27891-14	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 3.0	3.0	ug/l	1	06/02/13 05:44	PH	EPA 314
Specific Conductivity	436	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ERMCA15237

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB - Accutest C27891 COC 1 of 2

Billing Information:
PO# 0179962.04.C

Report to:
Heather Balfour
ERM
2525 Natomas Park Drive, Suite 350
Sacramento, California 95833
Tel: +01 916 999 8944
heather.balfour@erm.com

CHAIN OF CUSTODY

CLIENT: ERM

SITE: BF Goodrich Rialto Superfund Site

Project Code/Job #: 0179962.04.C

VOC's 8260B—(3) 40ml VOA Vials with HCl
Perchlorate (314)—(1) 250 mL Poly Unpreserved

SAMPLE I.D.	DATE	TIME	MATRIX	# CONTAINERS	VOC's 8260B	Perchlorate 314.0	LAB #	ADD'L INFORMATION
22052013TB-2	05/22/13	0600	GW	3	X		-1	
EPA-MP4E-GW-22/05/2013		0905	GW	12	X	X	-2	MS/MSD
22052013D-2		—	GW	4	X	X	-3	
22052013FB-2		0920	GW	4	X	X	-4	
22052013EB-2		0925	GW	4	X	X	-5	
EPA-MP4D-GW-22/05/2013		1010	GW	4	X	X	-6	
22052013D-3		—	GW	4	X	X	-7	
EPA-MP4C-GW-22/05/2013		1100	GW	4	X	X	-8	
EPA-MP4B-GW-22/05/2013		1140	GW	4	X	X	-9	TEMP = 1.9°C
EPA-MP4A-GW-22/05/2013		1230	GW	4	X	X	-10	* CUSTODY SEALS INTACT

SAMPLING COMPLETED: DATE 05/22/13 TIME 1700
SAMPLING PERFORMED BY: Thinh Hoang
RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY	TIME	RECEIVED BY	TIME
Thinh Hoang	1700	MA (SC)	1700
MA (SC)	1200	[illegible] 5-23-13	1200
[illegible] 5-23-13	1330	Lee Baur 5/24/13	0950

SHIPPED VIA: FEDEX # 795783673338
TIME SENT:
COOLER #:

IRVINE

4.1
4

C27891: Chain of Custody
Page 1 of 3

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB - Accutest C27891 COC 2 of 2

Billing Information:
PO# 0179962.04.C

Report to:
Heather Balfour
ERM
2525 Natomas Park Drive, Suite 350
Sacramento, California 95833
Tel: +01 916 999 8944
heather.balfour@erm.com

CHAIN OF CUSTODY

CLIENT: ERM

SITE: BF Goodrich Rialto Superfund Site

Project Code/Job #: 0179962.04.C

VOC's 8260B—(3) 40ml VOA Vials with HCl
Perchlorate (314)—(1) 250 mL Poly Unpreserved

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS #		VOC's 8260B	Perchlorate 314.0					LAB #	ADD'L INFORMATION
PW-7G-GW-22/05/2013	05/22/13	1524	GW	4		X	X					-11	
PW-7F-GW-22/05/2013		1600	GW	4		X	X					-12	
PW-7E-GW-22/05/2013		1625	GW	4		X	X					-13	
PW-7D-GW-22/05/2013		1640	GW	4		X	X					-14	

SAMPLING COMPLETED: DATE 05/22/13 TIME 1700
SAMPLING PERFORMED BY: Thinh Hoang
RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY	TIME	RECEIVED BY	TIME
[signature]	1700	MA (SC)	1700
MA (SC)	1700	[signature] 5-23-13	1200
[signature] 5-23-13	1330	[signature] Lee Baz 5/24/13	0950

SHIPPED VIA: | TIME SENT: | COOLER #:

IRVINE

C27891: Chain of Custody
Page 2 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C27891 **Client:** ERM **Project:** BF GOODRICH RIALTO SUPERFUND SITE

Date / Time Received: 5/24/2013 **Delivery Method:** FedEx **Airbill #'s:** 795783673338

Cooler Temps (Initial/Adjusted): #1: (1.9/1.9); 0

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
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San Jose, CA 95131
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C27891: 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: C27891
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1386-MB	W39540.D	1	05/31/13	TN	n/a	n/a	VW1386

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

C27891-1, C27891-2, C27891-3, C27891-4, C27891-5, C27891-6, C27891-7, C27891-8, C27891-9, C27891-10

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	

Method Blank Summary

Job Number: C27891
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1386-MB	W39540.D	1	05/31/13	TN	n/a	n/a	VW1386

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

C27891-1, C27891-2, C27891-3, C27891-4, C27891-5, C27891-6, C27891-7, C27891-8, C27891-9, C27891-10

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	70-130%

Method Blank Summary

Job Number: C27891
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1386-MB	W39540.D	1	05/31/13	TN	n/a	n/a	VW1386

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

C27891-1, C27891-2, C27891-3, C27891-4, C27891-5, C27891-6, C27891-7, C27891-8, C27891-9, C27891-10

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	95%	70-130%
460-00-4	4-Bromofluorobenzene	91%	70-130%

Method Blank Summary

Job Number: C27891
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU435-MB	U11343.D	1	05/31/13	TF	n/a	n/a	VU435

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

C27891-11, C27891-12, C27891-13, C27891-14

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	

Method Blank Summary

Job Number: C27891
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU435-MB	U11343.D	1	05/31/13	TF	n/a	n/a	VU435

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

C27891-11, C27891-12, C27891-13, C27891-14

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	70-130%

Method Blank Summary

Job Number: C27891
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU435-MB	U11343.D	1	05/31/13	TF	n/a	n/a	VU435

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

C27891-11, C27891-12, C27891-13, C27891-14

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	103%	70-130%
460-00-4	4-Bromofluorobenzene	97%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27891
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1386-BS	W39537.D	1	05/31/13	TN	n/a	n/a	VW1386
VW1386-BSD	W39538.D	1	05/31/13	TN	n/a	n/a	VW1386

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

C27891-1, C27891-2, C27891-3, C27891-4, C27891-5, C27891-6, C27891-7, C27891-8, C27891-9, C27891-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	80	78.4	98	75.1	94	4	38-159/24
71-43-2	Benzene	20	20.0	100	20.0	100	0	77-122/25
108-86-1	Bromobenzene	20	20.1	101	20.5	103	2	76-126/17
74-97-5	Bromochloromethane	20	22.8	114	22.5	113	1	77-130/17
75-27-4	Bromodichloromethane	20	20.8	104	20.5	103	1	75-127/16
75-25-2	Bromoform	20	21.7	109	21.4	107	1	69-141/17
104-51-8	n-Butylbenzene	20	19.8	99	20.0	100	1	72-129/18
135-98-8	sec-Butylbenzene	20	18.9	95	19.1	96	1	74-128/18
98-06-6	tert-Butylbenzene	20	18.3	92	18.6	93	2	73-127/18
108-90-7	Chlorobenzene	20	18.6	93	18.7	94	1	77-122/16
75-00-3	Chloroethane	20	18.5	93	18.0	90	3	69-133/18
67-66-3	Chloroform	20	21.4	107	20.7	104	3	74-126/17
95-49-8	o-Chlorotoluene	20	17.5	88	19.7	99	12	72-127/20
106-43-4	p-Chlorotoluene	20	17.1	86	17.2	86	1	68-127/18
56-23-5	Carbon tetrachloride	20	22.1	111	21.9	110	1	71-133/19
75-34-3	1,1-Dichloroethane	20	20.5	103	20.0	100	2	71-125/17
75-35-4	1,1-Dichloroethylene	20	21.5	108	21.0	105	2	66-125/20
563-58-6	1,1-Dichloropropene	20	21.3	107	21.2	106	0	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	20	21.5	108	20.9	105	3	65-131/20
106-93-4	1,2-Dibromoethane	20	23.1	116	22.9	115	1	75-135/17
107-06-2	1,2-Dichloroethane	20	22.0	110	21.4	107	3	71-131/17
78-87-5	1,2-Dichloropropane	20	20.0	100	20.0	100	0	78-124/16
142-28-9	1,3-Dichloropropane	20	21.6	108	21.5	108	0	78-123/16
108-20-3	Di-Isopropyl ether	20	19.2	96	18.6	93	3	68-129/17
594-20-7	2,2-Dichloropropane	20	21.3	107	20.5	103	4	70-131/19
124-48-1	Dibromochloromethane	20	22.3	112	22.2	111	0	76-132/16
75-71-8	Dichlorodifluoromethane	20	22.3	112	20.7	104	7	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	21.7	109	21.2	106	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	22.1	111	22.1	111	0	72-130/16
541-73-1	m-Dichlorobenzene	20	18.4	92	18.7	94	2	75-124/16
95-50-1	o-Dichlorobenzene	20	18.9	95	19.2	96	2	76-124/16
106-46-7	p-Dichlorobenzene	20	20.0	100	20.2	101	1	75-124/16
156-60-5	trans-1,2-Dichloroethylene	20	22.0	110	21.6	108	2	71-126/18
10061-02-6	trans-1,3-Dichloropropene	20	20.4	102	20.1	101	1	71-126/16
100-41-4	Ethylbenzene	20	20.2	101	20.2	101	0	76-126/17
637-92-3	Ethyl Tert Butyl Ether	20	22.4	112	21.6	108	4	75-134/17

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27891
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1386-BS	W39537.D	1	05/31/13	TN	n/a	n/a	VW1386
VW1386-BSD	W39538.D	1	05/31/13	TN	n/a	n/a	VW1386

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

C27891-1, C27891-2, C27891-3, C27891-4, C27891-5, C27891-6, C27891-7, C27891-8, C27891-9, C27891-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	80	86.0	108	83.0	104	4	67-150/22
87-68-3	Hexachlorobutadiene	20	20.1	101	20.6	103	2	69-135/20
98-82-8	Isopropylbenzene	20	19.1	96	19.0	95	1	61-125/17
99-87-6	p-Isopropyltoluene	20	18.7	94	18.9	95	1	68-127/18
108-10-1	4-Methyl-2-pentanone	80	85.4	107	82.5	103	3	71-142/21
74-83-9	Methyl bromide	20	20.1	101	19.6	98	3	68-132/18
74-87-3	Methyl chloride	20	18.0	90	16.5	83	9	39-150/28
74-95-3	Methylene bromide	20	22.5	113	22.2	111	1	77-127/16
75-09-2	Methylene chloride	20	20.7	104	20.1	101	3	67-128/18
78-93-3	Methyl ethyl ketone	80	90.2	113	84.9	106	6	56-155/23
1634-04-4	Methyl Tert Butyl Ether	20	22.8	114	21.9	110	4	73-132/17
91-20-3	Naphthalene	20	23.9	120	23.7	119	1	70-136/20
103-65-1	n-Propylbenzene	20	17.7	89	17.9	90	1	71-127/17
100-42-5	Styrene	20	18.2	91	18.4	92	1	72-134/16
994-05-8	Tert-Amyl Methyl Ether	20	22.1	111	21.5	108	3	73-133/17
75-65-0	Tert-Butyl Alcohol	100	110	110	104	104	6	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	20	20.9	105	20.9	105	0	77-130/16
71-55-6	1,1,1-Trichloroethane	20	22.0	110	21.5	108	2	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	22.8	114	22.6	113	1	77-129/17
79-00-5	1,1,2-Trichloroethane	20	21.9	110	21.8	109	0	77-125/16
87-61-6	1,2,3-Trichlorobenzene	20	22.2	111	22.4	112	1	70-133/18
96-18-4	1,2,3-Trichloropropane	20	22.3	112	21.4	107	4	69-126/18
120-82-1	1,2,4-Trichlorobenzene	20	21.1	106	21.3	107	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	20.0	100	20.3	102	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	20.3	102	20.5	103	1	77-129/17
127-18-4	Tetrachloroethylene	20	20.3	102	20.4	102	0	69-127/20
108-88-3	Toluene	20	19.8	99	20.0	100	1	75-122/17
79-01-6	Trichloroethylene	20	20.3	102	20.4	102	0	78-123/17
75-69-4	Trichlorofluoromethane	20	20.5	103	19.3	97	6	65-136/23
75-01-4	Vinyl chloride	20	21.0	105	19.9	100	5	57-146/22
1330-20-7	Xylene (total)	60	57.2	95	57.5	96	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	104%	101%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27891
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1386-BS	W39537.D	1	05/31/13	TN	n/a	n/a	VW1386
VW1386-BSD	W39538.D	1	05/31/13	TN	n/a	n/a	VW1386

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

C27891-1, C27891-2, C27891-3, C27891-4, C27891-5, C27891-6, C27891-7, C27891-8, C27891-9, C27891-10

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	92%	92%	70-130%
460-00-4	4-Bromofluorobenzene	93%	93%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27891
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU435-BS	U11339.D	1	05/31/13	TF	n/a	n/a	VU435
VU435-BSD	U11340.D	1	05/31/13	TF	n/a	n/a	VU435

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

C27891-11, C27891-12, C27891-13, C27891-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	80	108	135	94.6	118	13	38-159/24
71-43-2	Benzene	20	18.7	94	18.3	92	2	77-122/25
108-86-1	Bromobenzene	20	19.3	97	19.0	95	2	76-126/17
74-97-5	Bromochloromethane	20	18.7	94	18.5	93	1	77-130/17
75-27-4	Bromodichloromethane	20	18.7	94	18.2	91	3	75-127/16
75-25-2	Bromoform	20	21.8	109	20.9	105	4	69-141/17
104-51-8	n-Butylbenzene	20	20.3	102	19.6	98	4	72-129/18
135-98-8	sec-Butylbenzene	20	19.1	96	18.4	92	4	74-128/18
98-06-6	tert-Butylbenzene	20	19.1	96	18.6	93	3	73-127/18
108-90-7	Chlorobenzene	20	18.0	90	17.4	87	3	77-122/16
75-00-3	Chloroethane	20	19.7	99	19.3	97	2	69-133/18
67-66-3	Chloroform	20	18.5	93	18.1	91	2	74-126/17
95-49-8	o-Chlorotoluene	20	19.2	96	18.7	94	3	72-127/20
106-43-4	p-Chlorotoluene	20	17.7	89	17.1	86	3	68-127/18
56-23-5	Carbon tetrachloride	20	19.1	96	18.3	92	4	71-133/19
75-34-3	1,1-Dichloroethane	20	17.9	90	17.6	88	2	71-125/17
75-35-4	1,1-Dichloroethylene	20	16.5	83	16.1	81	2	66-125/20
563-58-6	1,1-Dichloropropene	20	19.8	99	19.1	96	4	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	20	21.4	107	21.3	107	0	65-131/20
106-93-4	1,2-Dibromoethane	20	20.5	103	19.8	99	3	75-135/17
107-06-2	1,2-Dichloroethane	20	19.1	96	18.5	93	3	71-131/17
78-87-5	1,2-Dichloropropane	20	19.0	95	18.7	94	2	78-124/16
142-28-9	1,3-Dichloropropane	20	20.2	101	19.4	97	4	78-123/16
108-20-3	Di-Isopropyl ether	20	18.3	92	18.0	90	2	68-129/17
594-20-7	2,2-Dichloropropane	20	19.8	99	19.1	96	4	70-131/19
124-48-1	Dibromochloromethane	20	19.6	98	18.8	94	4	76-132/16
75-71-8	Dichlorodifluoromethane	20	23.4	117	21.2	106	10	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	18.4	92	18.3	92	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	21.2	106	20.9	105	1	72-130/16
541-73-1	m-Dichlorobenzene	20	18.0	90	17.6	88	2	75-124/16
95-50-1	o-Dichlorobenzene	20	18.3	92	17.9	90	2	76-124/16
106-46-7	p-Dichlorobenzene	20	19.3	97	18.9	95	2	75-124/16
156-60-5	trans-1,2-Dichloroethylene	20	18.4	92	18.0	90	2	71-126/18
10061-02-6	trans-1,3-Dichloropropene	20	19.9	100	19.0	95	5	71-126/16
100-41-4	Ethylbenzene	20	20.0	100	19.1	96	5	76-126/17
637-92-3	Ethyl Tert Butyl Ether	20	21.3	107	21.0	105	1	75-134/17

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27891
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU435-BS	U11339.D	1	05/31/13	TF	n/a	n/a	VU435
VU435-BSD	U11340.D	1	05/31/13	TF	n/a	n/a	VU435

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

C27891-11, C27891-12, C27891-13, C27891-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	80	100	125	92.6	116	8	67-150/22
87-68-3	Hexachlorobutadiene	20	20.3	102	20.1	101	1	69-135/20
98-82-8	Isopropylbenzene	20	19.1	96	18.2	91	5	61-125/17
99-87-6	p-Isopropyltoluene	20	19.0	95	18.5	93	3	68-127/18
108-10-1	4-Methyl-2-pentanone	80	85.9	107	85.0	106	1	71-142/21
74-83-9	Methyl bromide	20	20.3	102	19.8	99	2	68-132/18
74-87-3	Methyl chloride	20	15.5	78	15.8	79	2	39-150/28
74-95-3	Methylene bromide	20	19.3	97	18.9	95	2	77-127/16
75-09-2	Methylene chloride	20	17.6	88	17.3	87	2	67-128/18
78-93-3	Methyl ethyl ketone	80	102	128	96.2	120	6	56-155/23
1634-04-4	Methyl Tert Butyl Ether	20	20.3	102	20.1	101	1	73-132/17
91-20-3	Naphthalene	20	22.2	111	24.3	122	9	70-136/20
103-65-1	n-Propylbenzene	20	18.3	92	17.8	89	3	71-127/17
100-42-5	Styrene	20	20.8	104	20.1	101	3	72-134/16
994-05-8	Tert-Amyl Methyl Ether	20	20.7	104	20.5	103	1	73-133/17
75-65-0	Tert-Butyl Alcohol	100	109	109	110	110	1	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	20	19.8	99	18.9	95	5	77-130/16
71-55-6	1,1,1-Trichloroethane	20	18.9	95	18.3	92	3	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	20.5	103	20.1	101	2	77-129/17
79-00-5	1,1,2-Trichloroethane	20	20.2	101	19.3	97	5	77-125/16
87-61-6	1,2,3-Trichlorobenzene	20	21.1	106	22.6	113	7	70-133/18
96-18-4	1,2,3-Trichloropropane	20	20.9	105	20.3	102	3	69-126/18
120-82-1	1,2,4-Trichlorobenzene	20	20.9	105	21.1	106	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	20.4	102	19.8	99	3	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	21.1	106	20.5	103	3	77-129/17
127-18-4	Tetrachloroethylene	20	19.5	98	18.7	94	4	69-127/20
108-88-3	Toluene	20	19.6	98	18.9	95	4	75-122/17
79-01-6	Trichloroethylene	20	18.8	94	18.5	93	2	78-123/17
75-69-4	Trichlorofluoromethane	20	22.3	112	21.0	105	6	65-136/23
75-01-4	Vinyl chloride	20	22.6	113	21.2	106	6	57-146/22
1330-20-7	Xylene (total)	60	57.4	96	55.0	92	4	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	96%	95%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27891
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU435-BS	U11339.D	1	05/31/13	TF	n/a	n/a	VU435
VU435-BSD	U11340.D	1	05/31/13	TF	n/a	n/a	VU435

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

C27891-11, C27891-12, C27891-13, C27891-14

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	102%	99%	70-130%
460-00-4	4-Bromofluorobenzene	103%	101%	70-130%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C27891
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU435-LCS	U11341.D	1	05/31/13	TF	n/a	n/a	VU435

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

C27891-11, C27891-12, C27891-13, C27891-14

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	70-130%
2037-26-5	Toluene-D8	102%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27891
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27953-4MS	U11360.D	5	05/31/13	TF	n/a	n/a	VU435
C27953-4MSD	U11361.D	5	05/31/13	TF	n/a	n/a	VU435
C27953-4	U11349.D	5	05/31/13	TF	n/a	n/a	VU435

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

C27891-11, C27891-12, C27891-13, C27891-14

CAS No.	Compound	C27953-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		400	392	98	373	93	5	38-159/24
71-43-2	Benzene	ND		100	91.0	91	88.5	89	3	77-122/16
108-86-1	Bromobenzene	ND		100	91.2	91	92.7	93	2	76-126/17
74-97-5	Bromochloromethane	ND		100	94.2	94	89.7	90	5	77-130/17
75-27-4	Bromodichloromethane	ND		100	87.7	88	84.6	85	4	75-127/16
75-25-2	Bromoform	ND		100	88.7	89	87.6	88	1	69-141/17
104-51-8	n-Butylbenzene	ND		100	91.7	92	91.9	92	0	72-129/18
135-98-8	sec-Butylbenzene	ND		100	88.7	89	89.5	90	1	74-128/18
98-06-6	tert-Butylbenzene	ND		100	92.3	92	93.4	93	1	73-127/18
108-90-7	Chlorobenzene	ND		100	84.9	85	83.7	84	1	77-122/16
75-00-3	Chloroethane	ND		100	101	101	95.0	95	6	69-133/18
67-66-3	Chloroform	ND		100	91.3	91	86.3	86	6	74-126/17
95-49-8	o-Chlorotoluene	ND		100	89.2	89	90.1	90	1	72-127/20
106-43-4	p-Chlorotoluene	ND		100	81.7	82	83.2	83	2	68-127/18
56-23-5	Carbon tetrachloride	ND		100	90.9	91	86.7	87	5	71-133/19
75-34-3	1,1-Dichloroethane	ND		100	88.7	89	84.3	84	5	71-125/17
75-35-4	1,1-Dichloroethylene	ND		100	83.0	83	78.9	79	5	66-125/20
563-58-6	1,1-Dichloropropene	ND		100	94.7	95	90.9	91	4	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	ND		100	99.1	99	100	100	1	65-131/20
106-93-4	1,2-Dibromoethane	ND		100	96.3	96	93.3	93	3	75-135/17
107-06-2	1,2-Dichloroethane	ND		100	90.4	90	86.1	86	5	71-131/17
78-87-5	1,2-Dichloropropane	ND		100	92.3	92	89.6	90	3	78-124/16
142-28-9	1,3-Dichloropropane	ND		100	94.3	94	91.7	92	3	78-123/16
108-20-3	Di-Isopropyl ether	ND		100	90.8	91	86.3	86	5	68-129/17
594-20-7	2,2-Dichloropropane	ND		100	86.4	86	79.5	80	8	70-131/19
124-48-1	Dibromochloromethane	ND		100	85.2	85	83.5	84	2	76-132/16
75-71-8	Dichlorodifluoromethane	ND		100	112	112	98.1	98	13	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		100	92.6	93	89.4	89	4	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		100	99.2	99	95.4	95	4	72-130/16
541-73-1	m-Dichlorobenzene	ND		100	84.4	84	85.4	85	1	75-124/16
95-50-1	o-Dichlorobenzene	ND		100	85.6	86	86.5	87	1	76-124/16
106-46-7	p-Dichlorobenzene	ND		100	90.4	90	91.9	92	2	75-124/16
156-60-5	trans-1,2-Dichloroethylene	ND		100	91.3	91	87.5	88	4	71-126/18
10061-02-6	trans-1,3-Dichloropropene	ND		100	89.3	89	87.1	87	2	71-126/16
100-41-4	Ethylbenzene	ND		100	93.6	94	91.8	92	2	76-126/17
637-92-3	Ethyl Tert Butyl Ether	ND		100	106	106	101	101	5	75-134/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27891
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27953-4MS	U11360.D	5	05/31/13	TF	n/a	n/a	VU435
C27953-4MSD	U11361.D	5	05/31/13	TF	n/a	n/a	VU435
C27953-4	U11349.D	5	05/31/13	TF	n/a	n/a	VU435

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

C27891-11, C27891-12, C27891-13, C27891-14

CAS No.	Compound	C27953-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND		400	443	111	421	105	5	67-150/22
87-68-3	Hexachlorobutadiene	ND		100	89.7	90	92.2	92	3	69-135/20
98-82-8	Isopropylbenzene	ND		100	89.4	89	87.6	88	2	61-125/17
99-87-6	p-Isopropyltoluene	ND		100	88.0	88	88.7	89	1	68-127/18
108-10-1	4-Methyl-2-pentanone	ND		400	421	105	392	98	7	71-142/21
74-83-9	Methyl bromide	ND		100	103	103	96.3	96	7	68-132/18
74-87-3	Methyl chloride	ND		100	78.2	78	71.6	72	9	39-150/28
74-95-3	Methylene bromide	ND		100	93.7	94	89.4	89	5	77-127/16
75-09-2	Methylene chloride	ND		100	88.1	88	85.3	85	3	67-128/18
78-93-3	Methyl ethyl ketone	ND		400	444	111	413	103	7	56-155/23
1634-04-4	Methyl Tert Butyl Ether	17.6		100	123	105	115	97	7	73-132/17
91-20-3	Naphthalene	ND		100	102	102	114	114	11	70-136/20
103-65-1	n-Propylbenzene	ND		100	85.6	86	86.4	86	1	71-127/17
100-42-5	Styrene	ND		100	94.9	95	93.7	94	1	72-134/16
994-05-8	Tert-Amyl Methyl Ether	ND		100	104	104	98.7	99	5	73-133/17
75-65-0	Tert-Butyl Alcohol	3210	E	500	4210	200* [a]	3890	136	8	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	ND		100	93.0	93	91.1	91	2	77-130/16
71-55-6	1,1,1-Trichloroethane	ND		100	93.1	93	87.2	87	7	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	97.2	97	97.0	97	0	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		100	94.9	95	93.0	93	2	77-125/16
87-61-6	1,2,3-Trichlorobenzene	ND		100	95.9	96	105	105	9	70-133/18
96-18-4	1,2,3-Trichloropropane	ND		100	97.2	97	92.6	93	5	69-126/18
120-82-1	1,2,4-Trichlorobenzene	ND		100	96.0	96	98.7	99	3	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		100	94.7	95	95.3	95	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		100	97.8	98	98.4	98	1	77-129/17
127-18-4	Tetrachloroethylene	ND		100	90.5	91	88.5	89	2	69-127/20
108-88-3	Toluene	ND		100	91.9	92	90.9	91	1	75-122/17
79-01-6	Trichloroethylene	ND		100	92.2	92	89.6	90	3	78-123/17
75-69-4	Trichlorofluoromethane	ND		100	113	113	103	103	9	65-136/23
75-01-4	Vinyl chloride	ND		100	112	112	101	101	10	57-146/22
1330-20-7	Xylene (total)	ND		300	270	90	264	88	2	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C27953-4	Limits
1868-53-7	Dibromofluoromethane	101%	96%	95%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27891
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27953-4MS	U11360.D	5	05/31/13	TF	n/a	n/a	VU435
C27953-4MSD	U11361.D	5	05/31/13	TF	n/a	n/a	VU435
C27953-4	U11349.D	5	05/31/13	TF	n/a	n/a	VU435

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

C27891-11, C27891-12, C27891-13, C27891-14

CAS No.	Surrogate Recoveries	MS	MSD	C27953-4	Limits
2037-26-5	Toluene-D8	99%	99%	102%	70-130%
460-00-4	4-Bromofluorobenzene	102%	99%	98%	70-130%

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

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27891
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27891-2MS	W39558.D	1	05/31/13	TN	n/a	n/a	VW1386
C27891-2MSD	W39559.D	1	05/31/13	TN	n/a	n/a	VW1386
C27891-2	W39542.D	1	05/31/13	TN	n/a	n/a	VW1386

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

C27891-1, C27891-2, C27891-3, C27891-4, C27891-5, C27891-6, C27891-7, C27891-8, C27891-9, C27891-10

CAS No.	Compound	C27891-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		80	78.7	98	78.3	98	1	38-159/24
71-43-2	Benzene	ND		20	20.5	103	20.1	101	2	77-122/16
108-86-1	Bromobenzene	ND		20	20.5	103	20.2	101	1	76-126/17
74-97-5	Bromochloromethane	ND		20	21.8	109	21.4	107	2	77-130/17
75-27-4	Bromodichloromethane	ND		20	21.5	108	20.7	104	4	75-127/16
75-25-2	Bromoform	ND		20	20.5	103	20.0	100	2	69-141/17
104-51-8	n-Butylbenzene	ND		20	21.1	106	20.7	104	2	72-129/18
135-98-8	sec-Butylbenzene	ND		20	20.3	102	20.0	100	1	74-128/18
98-06-6	tert-Butylbenzene	ND		20	19.4	97	19.3	97	1	73-127/18
108-90-7	Chlorobenzene	ND		20	18.8	94	18.7	94	1	77-122/16
75-00-3	Chloroethane	ND		20	19.4	97	18.9	95	3	69-133/18
67-66-3	Chloroform	ND		20	21.5	108	20.5	103	5	74-126/17
95-49-8	o-Chlorotoluene	ND		20	18.8	94	18.0	90	4	72-127/20
106-43-4	p-Chlorotoluene	ND		20	17.9	90	17.7	89	1	68-127/18
56-23-5	Carbon tetrachloride	ND		20	25.4	127	24.4	122	4	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	21.0	105	20.0	100	5	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	22.3	112	21.8	109	2	66-125/20
563-58-6	1,1-Dichloropropene	ND		20	23.5	118	22.8	114	3	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	ND		20	21.8	109	21.4	107	2	65-131/20
106-93-4	1,2-Dibromoethane	ND		20	22.7	114	22.6	113	0	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	23.4	117	22.3	112	5	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	20.3	102	19.8	99	2	78-124/16
142-28-9	1,3-Dichloropropane	ND		20	21.7	109	21.6	108	0	78-123/16
108-20-3	Di-Isopropyl ether	ND		20	19.1	96	18.3	92	4	68-129/17
594-20-7	2,2-Dichloropropane	ND		20	18.9	95	17.5	88	8	70-131/19
124-48-1	Dibromochloromethane	ND		20	21.9	110	21.6	108	1	76-132/16
75-71-8	Dichlorodifluoromethane	ND		20	33.8	169* [a]	32.5	163	4	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	21.1	106	20.4	102	3	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	21.4	107	20.6	103	4	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	18.8	94	18.6	93	1	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	19.2	96	19.2	96	0	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	20.1	101	20.1	101	0	75-124/16
156-60-5	trans-1,2-Dichloroethylene	ND		20	22.1	111	21.5	108	3	71-126/18
10061-02-6	trans-1,3-Dichloropropene	ND		20	19.9	100	19.5	98	2	71-126/16
100-41-4	Ethylbenzene	ND		20	21.1	106	20.7	104	2	76-126/17
637-92-3	Ethyl Tert Butyl Ether	ND		20	21.8	109	21.0	105	4	75-134/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27891
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27891-2MS	W39558.D	1	05/31/13	TN	n/a	n/a	VW1386
C27891-2MSD	W39559.D	1	05/31/13	TN	n/a	n/a	VW1386
C27891-2	W39542.D	1	05/31/13	TN	n/a	n/a	VW1386

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

C27891-1, C27891-2, C27891-3, C27891-4, C27891-5, C27891-6, C27891-7, C27891-8, C27891-9, C27891-10

CAS No.	Compound	C27891-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND		80	88.6	111	89.6	112	1	67-150/22
87-68-3	Hexachlorobutadiene	ND		20	20.1	101	20.2	101	0	69-135/20
98-82-8	Isopropylbenzene	ND		20	20.2	101	19.8	99	2	61-125/17
99-87-6	p-Isopropyltoluene	ND		20	19.6	98	19.3	97	2	68-127/18
108-10-1	4-Methyl-2-pentanone	ND		80	86.2	108	86.0	108	0	71-142/21
74-83-9	Methyl bromide	ND		20	19.9	100	19.2	96	4	68-132/18
74-87-3	Methyl chloride	ND		20	18.7	94	18.0	90	4	39-150/28
74-95-3	Methylene bromide	ND		20	22.6	113	22.1	111	2	77-127/16
75-09-2	Methylene chloride	ND		20	20.0	100	19.3	97	4	67-128/18
78-93-3	Methyl ethyl ketone	ND		80	84.9	106	84.9	106	0	56-155/23
1634-04-4	Methyl Tert Butyl Ether	ND		20	21.8	109	21.4	107	2	73-132/17
91-20-3	Naphthalene	ND		20	23.6	118	23.7	119	0	70-136/20
103-65-1	n-Propylbenzene	ND		20	18.8	94	18.6	93	1	71-127/17
100-42-5	Styrene	ND		20	17.6	88	17.3	87	2	72-134/16
994-05-8	Tert-Amyl Methyl Ether	ND		20	21.2	106	20.6	103	3	73-133/17
75-65-0	Tert-Butyl Alcohol	ND		100	114	114	114	114	0	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	ND		20	21.2	106	20.7	104	2	77-130/16
71-55-6	1,1,1-Trichloroethane	ND		20	24.0	120	22.6	113	6	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	22.8	114	23.0	115	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	21.9	110	21.7	109	1	77-125/16
87-61-6	1,2,3-Trichlorobenzene	ND		20	22.0	110	22.0	110	0	70-133/18
96-18-4	1,2,3-Trichloropropane	ND		20	21.0	105	20.7	104	1	69-126/18
120-82-1	1,2,4-Trichlorobenzene	ND		20	20.8	104	20.6	103	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	20.5	103	20.2	101	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	21.0	105	20.8	104	1	77-129/17
127-18-4	Tetrachloroethylene	ND		20	21.3	107	21.3	107	0	69-127/20
108-88-3	Toluene	ND		20	20.3	102	20.2	101	0	75-122/17
79-01-6	Trichloroethylene	ND		20	21.4	107	21.1	106	1	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	27.9	140* [a]	26.5	133	5	65-136/23
75-01-4	Vinyl chloride	ND		20	24.7	124	23.9	120	3	57-146/22
1330-20-7	Xylene (total)	ND		60	58.8	98	57.9	97	2	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C27891-2	Limits
1868-53-7	Dibromofluoromethane	102%	99%	93%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27891
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27891-2MS	W39558.D	1	05/31/13	TN	n/a	n/a	VW1386
C27891-2MSD	W39559.D	1	05/31/13	TN	n/a	n/a	VW1386
C27891-2	W39542.D	1	05/31/13	TN	n/a	n/a	VW1386

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

C27891-1, C27891-2, C27891-3, C27891-4, C27891-5, C27891-6, C27891-7, C27891-8, C27891-9, C27891-10

CAS No.	Surrogate Recoveries	MS	MSD	C27891-2	Limits
2037-26-5	Toluene-D8	93%	94%	94%	70-130%
460-00-4	4-Bromofluorobenzene	94%	93%	89%	70-130%

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

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

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27891
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP5113/GN10968	3.0	0.0	ug/l	25	22.7	90.8	85-115%
Perchlorate	GP5119/GN10982	3.0	0.0	ug/l	25	24.4	97.6	85-115%
Specific Conductivity	GN10931	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP5113: C27891-3, C27891-4, C27891-5, C27891-6, C27891-7, C27891-8, C27891-9, C27891-10, C27891-11, C27891-12, C27891-13, C27891-14
Batch GP5119: C27891-2
Batch GN10931: C27891-2, C27891-3, C27891-4, C27891-5, C27891-6, C27891-7, C27891-8, C27891-9, C27891-10, C27891-11, C27891-12, C27891-13, C27891-14
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27891
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP5113/GN10968	ug/l	25	23.5	3.5	
Perchlorate	GP5119/GN10982	ug/l	25	23.1	5.5	

Associated Samples:
Batch GP5113: C27891-3, C27891-4, C27891-5, C27891-6, C27891-7, C27891-8, C27891-9, C27891-10, C27891-11, C27891-12, C27891-13, C27891-14
Batch GP5119: C27891-2
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27891
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN10931	C27891-11	umhos/cm	260	257	1.2	0-10%
Specific Conductivity	GN10931	C27891-2	umhos/cm	303	304	0.3	0-10%

Associated Samples:
Batch GN10931: C27891-2, C27891-3, C27891-4, C27891-5, C27891-6, C27891-7, C27891-8, C27891-9, C27891-10, C27891-11, C27891-12, C27891-13, C27891-14
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27891
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP5119/GN10982	C27891-2	ug/l	0.78	25	23.2	89.7	80-120%

Associated Samples:
Batch GP5113: C27891-3, C27891-4, C27891-5, C27891-6, C27891-7, C27891-8, C27891-9, C27891-10, C27891-11, C27891-12, C27891-13, C27891-14
Batch GP5119: C27891-2
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27891
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP5119/GN10982	C27891-2	ug/l	0.78	25	23.8	2.6	15%

Associated Samples:
Batch GP5113: C27891-3, C27891-4, C27891-5, C27891-6, C27891-7, C27891-8, C27891-9, C27891-10, C27891-11, C27891-12, C27891-13, C27891-14
Batch GP5119: C27891-2
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
ACCUTEST
LABORATORIES

06/11/13

Technical Report for

ERM-Irvine

BF Goodrich Superfund Sampling,Rialto

0179962.04.C

Accutest Job Number: C27908

Sampling Date: 05/23/13

Report to:

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Total number of pages in report: **78**

ACCREDITED IN ACCORDANCE WITH nelac

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

James J. Rhudy
Lab Director

Client Service contact: Nutan Kabir 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD/ISO/IEC 17025:2005 (L2242)

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Accutest Laboratories

Sample Summary

ERM-Irvine

Job No: C27908

BF Goodrich Superfund Sampling, Rialto
Project No: 0179962.04.C

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C27908-1	05/23/13	07:30	BTS	05/25/13	AQ	Trip Blank Water	23052013TB-3
C27908-2	05/23/13	09:10	BTS	05/25/13	AQ	Ground Water	PW-7C-6W-23/05/2013
C27908-2D	05/23/13	09:10	BTS	05/25/13	AQ	Ground Water	PW-7C-6W-23/05/2013
C27908-2S	05/23/13	09:10	BTS	05/25/13	AQ	Ground Water	PW-7C-6W-23/05/2013
C27908-3	05/23/13	00:00	BTS	05/25/13	AQ	Ground Water	23052013D-3
C27908-4	05/23/13	09:30	BTS	05/25/13	AQ	Field Blank Water	23052013FB-3
C27908-5	05/23/13	09:35	BTS	05/25/13	AQ	Equipment Blank	23052013EB-3
C27908-6	05/23/13	10:40	BTS	05/25/13	AQ	Ground Water	PW-7B-6W-23/05/2013
C27908-7	05/23/13	13:05	BTS	05/25/13	AQ	Ground Water	PW-8E-6W-23/05/2013
C27908-8	05/23/13	13:25	BTS	05/25/13	AQ	Ground Water	PW-8D-6W-23/05/2013
C27908-9	05/23/13	13:49	BTS	05/25/13	AQ	Ground Water	PW-8C-6W-23/05/2013
C27908-10	05/23/13	15:15	BTS	05/25/13	AQ	Ground Water	PW-8B-6W-23/05/2013
C27908-11	05/23/13	16:00	BTS	05/25/13	AQ	Ground Water	PW-8A-6W-23/05/2013

Summary of Hits

Job Number: C27908
Account: ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto
Collected: 05/23/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C27908-1	**23052013TB-3**					
No hits reported in this sample.						
C27908-2	**PW-7C-6W-23/05/2013**					
Trichloroethylene		0.66 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		7.6	3.0		ug/l	EPA 314
Specific Conductivity		473	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27908-3	**23052013D-3**					
Trichloroethylene		0.65 J	1.0	0.20	ug/l	SW846 8260B
Specific Conductivity		467	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27908-4	**23052013FB-3**					
Acetone		4.8 J	20	4.0	ug/l	SW846 8260B
C27908-5	**23052013EB-3**					
Acetone		6.4 J	20	4.0	ug/l	SW846 8260B
C27908-6	**PW-7B-6W-23/05/2013**					
Chloroform		0.28 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		3.1	3.0		ug/l	EPA 314
Specific Conductivity		370	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27908-7	**PW-8E-6W-23/05/2013**					
Specific Conductivity		282	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27908-8	**PW-8D-6W-23/05/2013**					
Specific Conductivity		252	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27908-9	**PW-8C-6W-23/05/2013**					
Trichloroethylene		0.52 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		18.3	3.0		ug/l	EPA 314
Specific Conductivity		320	1.0		umhos/cm	SM18 2510B/EPA 120.1

Summary of Hits

Job Number: C27908
Account: ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto
Collected: 05/23/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C27908-10	**PW-8B-6W-23/05/2013**					
Chloroform		0.24 J	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		26.6	1.0	0.20	ug/l	SW846 8260B
Perchlorate		109	15		ug/l	EPA 314
Specific Conductivity		387	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27908-11	**PW-8A-6W-23/05/2013**					
Chloroform		0.32 J	1.0	0.20	ug/l	SW846 8260B
Carbon tetrachloride [a]		0.20 J	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		29.3	1.0	0.20	ug/l	SW846 8260B
Perchlorate		73.2	6.0		ug/l	EPA 314
Specific Conductivity		390	1.0		umhos/cm	SM18 2510B/EPA 120.1

(a) CCV outside of control limits; associated results may be biased high. No sample detections > RL.

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Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	23052013TB-3		
Lab Sample ID:	C27908-1	**Date Sampled:**	05/23/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W39595.D	1	06/01/13	TN	n/a	n/a	VW1387
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	23052013TB-3		
Lab Sample ID:	C27908-1	**Date Sampled:**	05/23/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	93%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	23052013TB-3		
Lab Sample ID:	C27908-1	**Date Sampled:**	05/23/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-7C-6W-23/05/2013		
Lab Sample ID:	C27908-2	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W39596.D	1	06/01/13	TN	n/a	n/a	VW1387
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-7C-6W-23/05/2013		
Lab Sample ID:	C27908-2	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	0.66	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-130%
2037-26-5	Toluene-D8	94%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-7C-6W-23/05/2013		
Lab Sample ID:	C27908-2	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-7C-6W-23/05/2013		
Lab Sample ID:	C27908-2	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	7.6	3.0	ug/l	1	06/05/13 15:58	PH	EPA 314
Specific Conductivity	473	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	23052013D-3		
Lab Sample ID:	C27908-3	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W39597.D	1	06/01/13	TN	n/a	n/a	VW1387
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	23052013D-3		
Lab Sample ID:	C27908-3	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	0.65	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	94%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	23052013D-3		
Lab Sample ID:	C27908-3	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	23052013D-3		
Lab Sample ID:	C27908-3	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 3.0	3.0	ug/l	1	06/02/13 06:18	PH	EPA 314
Specific Conductivity	467	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	23052013FB-3		
Lab Sample ID:	C27908-4	**Date Sampled:**	05/23/13
Matrix:	AQ - Field Blank Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W39598.D	1	06/01/13	TN	n/a	n/a	VW1387
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.8	20	4.0	ug/l	J
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	23052013FB-3		
Lab Sample ID:	C27908-4	**Date Sampled:**	05/23/13
Matrix:	AQ - Field Blank Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	93%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	23052013FB-3		
Lab Sample ID:	C27908-4	**Date Sampled:**	05/23/13
Matrix:	AQ - Field Blank Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	23052013FB-3		
Lab Sample ID:	C27908-4	**Date Sampled:**	05/23/13
Matrix:	AQ - Field Blank Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 3.0	3.0	ug/l	1	06/02/13 06:36	PH	EPA 314
Specific Conductivity	< 1.0	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	23052013EB-3		
Lab Sample ID:	C27908-5	**Date Sampled:**	05/23/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W39599.D	1	06/01/13	TN	n/a	n/a	VW1387
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	6.4	20	4.0	ug/l	J
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	23052013EB-3		
Lab Sample ID:	C27908-5	**Date Sampled:**	05/23/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	94%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	23052013EB-3		
Lab Sample ID:	C27908-5	**Date Sampled:**	05/23/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	23052013EB-3		
Lab Sample ID:	C27908-5	**Date Sampled:**	05/23/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 3.0	3.0	ug/l	1	06/05/13 20:26	PH	EPA 314
Specific Conductivity	< 1.0	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW-7B-6W-23/05/2013		
Lab Sample ID:	C27908-6	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W39600.D	1	06/01/13	TN	n/a	n/a	VW1387
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	0.28	1.0	0.20	ug/l	J
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-7B-6W-23/05/2013		
Lab Sample ID:	C27908-6	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	94%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-7B-6W-23/05/2013		
Lab Sample ID:	C27908-6	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-7B-6W-23/05/2013		
Lab Sample ID:	C27908-6	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	3.1	3.0	ug/l	1	06/05/13 21:18	PH	EPA 314
Specific Conductivity	370	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW-8E-6W-23/05/2013		
Lab Sample ID:	C27908-7	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q15157.D	1	06/01/13	TN	n/a	n/a	VQ608
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride [a]	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-8E-6W-23/05/2013		
Lab Sample ID:	C27908-7	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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 [a]	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		70-130%
2037-26-5	Toluene-D8	105%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-8E-6W-23/05/2013		
Lab Sample ID:	C27908-7	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	104%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-8E-6W-23/05/2013		
Lab Sample ID:	C27908-7	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 3.0	3.0	ug/l	1	06/05/13 21:35	PH	EPA 314
Specific Conductivity	282	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW-8D-6W-23/05/2013		
Lab Sample ID:	C27908-8	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q15158.D	1	06/01/13	TN	n/a	n/a	VQ608
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride [a]	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-8D-6W-23/05/2013		
Lab Sample ID:	C27908-8	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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 [a]	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-130%
2037-26-5	Toluene-D8	102%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-8D-6W-23/05/2013		
Lab Sample ID:	C27908-8	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	104%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-8D-6W-23/05/2013		
Lab Sample ID:	C27908-8	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 3.0	3.0	ug/l	1	06/05/13 21:53	PH	EPA 314
Specific Conductivity	252	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW-8C-6W-23/05/2013		
Lab Sample ID:	C27908-9	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q15159.D	1	06/01/13	TN	n/a	n/a	VQ608
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride [a]	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-8C-6W-23/05/2013		
Lab Sample ID:	C27908-9	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	0.52	1.0	0.20	ug/l	J
75-69-4	Trichlorofluoromethane [a]	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-130%
2037-26-5	Toluene-D8	101%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-8C-6W-23/05/2013		
Lab Sample ID:	C27908-9	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-8C-6W-23/05/2013		
Lab Sample ID:	C27908-9	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	18.3	3.0	ug/l	1	06/05/13 22:10	PH	EPA 314
Specific Conductivity	320	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW-8B-6W-23/05/2013		
Lab Sample ID:	C27908-10	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q15160.D	1	06/01/13	TN	n/a	n/a	VQ608
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	0.24	1.0	0.20	ug/l	J
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride [a]	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-8B-6W-23/05/2013		
Lab Sample ID:	C27908-10	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	26.6	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane [a]	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-130%
2037-26-5	Toluene-D8	103%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-8B-6W-23/05/2013		
Lab Sample ID:	C27908-10	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-8B-6W-23/05/2013		
Lab Sample ID:	C27908-10	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	109	15	ug/l	5	06/07/13 16:26	PH	EPA 314
Specific Conductivity	387	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW-8A-6W-23/05/2013		
Lab Sample ID:	C27908-11	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q15161.D	1	06/01/13	TN	n/a	n/a	VQ608
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	0.32	1.0	0.20	ug/l	J
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride [a]	0.20	1.0	0.20	ug/l	J
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-8A-6W-23/05/2013		
Lab Sample ID:	C27908-11	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	29.3	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane [b]	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
2037-26-5	Toluene-D8	101%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-8A-6W-23/05/2013		
Lab Sample ID:	C27908-11	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		70-130%

(a) CCV outside of control limits; associated results may be biased high. No sample detections > RL.
(b) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-8A-6W-23/05/2013		
Lab Sample ID:	C27908-11	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	73.2	6.0	ug/l	2	06/07/13 20:12	PH	EPA 314
Specific Conductivity	390	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ERMCAI5237

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB - Accutest C27908 COC 1 of 2

Billing Information:
PO# 0179962.04.C

Report to:
Heather Balfour
ERM
2525 Natomas Park Drive, Suite 350
Sacramento, California 95833
Tel: +01 916 999 8944
heather.balfour@erm.com

CHAIN OF CUSTODY

CLIENT: ERM

SITE: BF Goodrich Rialto Superfund Site

Project Code/Job #: 0179962.04.C

VOC's 8260B—(3) 40ml VOA Vials with HCl
Perchlorate (314)—(1) 250 mL Poly Unpreserved

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS #	VOC's 8260B	Perchlorate 314.0	LAB #	ADD'L INFORMATION
23052013TB-3 05/23/13		0730	GW	3	X		-1	
PW-7C-GW-23/05/2013		0910	GW	12	X	X	-2	MS/MSD
23052013D-3		—	GW	4	X	X	-3	
23052013FB-3		0930	GW	4	X	X	-4	
23052013EB-3		0935	GW	4	X	X	-5	
PW-7B-GW-23/05/2013	✓	1040	GW	4	X	X	-6	
~~PW-7A-GW-23/05/2013~~		~~1120~~	~~GW~~	~~4~~	~~X~~	~~X~~		

SAMPLING COMPLETED 05/23/13	DATE / TIME 1645	SAMPLING PERFORMED BY Thinh Hoang		RESULTS NEEDED NO LATER THAN Standard
RELEASED BY		TIME 1645	RECEIVED BY MA	TIME 1645
RELEASED BY MA		TIME	RECEIVED BY 5-24	TIME 1215
RELEASED BY 5-24		TIME 1700	RECEIVED BY Lee Bauer 5/25/13	TIME 0830
SHIPPED VIA FEDEX		TIME SENT	COOLER #	TEMP=5.4°C

IRVINE

4.1

4

C27908: Chain of Custody
Page 1 of 3

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB - Accutest C27908 COC 2 of 2

Billing Information:
PO# 0179962.04.C

Report to:
Heather Balfour
ERM
2525 Natomas Park Drive, Suite 350
Sacramento, California 95833
Tel: +01 916 999 8944
heather.balfour@erm.com

CHAIN OF CUSTODY

CLIENT: ERM

SITE: BF Goodrich Rialto Superfund Site

Project Code/Job #: 0179962.04.C

VOC's 8260B—(3) 40ml VOA Vials with HCl
Perchlorate (314)—(1) 250 ml. Poly Unpreserved

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS #		VOC's 8260B	Perchlorate 314.0					LAB #	ADD'L INFORMATION
PW-8E-GW-23/05/2013	05/23/13	1305	GW	4		X	X					-7	
PW-8D-GW-23/05/2013		1325	GW	4		X	X					-8	
PW-8C-GW-23/05/2013		1349	GW	4		X	X					-9	
PW-8B-GW-23/05/2013		1515	GW	4		X	X					-10	
PW-8A-GW-23/05/2013		1600	GW	4		X	X					-11	

SAMPLING COMPLETED 05/23/13	DATE	TIME 1645	SAMPLING PERFORMED BY Thinh Hoang	RESULTS NEEDED NO LATER THAN Standard
RELEASED BY		TIME 1645	RECEIVED BY MA	TIME 1645
RELEASED BY MA		TIME	RECEIVED BY 5-24	TIME 1215
RELEASED BY 5-24		TIME 1700	RECEIVED BY Lee Baur 5/25/13	TIME 0930
SHIPPED VIA FEDEX		TIME SENT	COOLER #	

IRVINE

4.1
4

C27908: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C27908 **Client:** ERM **Project:** BF GOODRICH RIALTO SUPERFUND SITE

Date / Time Received: 5/25/2013 **Delivery Method:** FedEx **Airbill #'s:** 803015869899

Cooler Temps (Initial/Adjusted): #1: (5.4/5.4); 0

Cooler Security	Y or N		Y or N
1. Custody Seals Present:	☑ ☐	3. COC Present:	☑ ☐
2. Custody Seals Intact:	☑ ☐	4. Smpl Dates/Time OK	☑ ☐

Cooler Temperature	Y or N
1. Temp criteria achieved:	☑ ☐
2. Cooler temp verification:	IR Gun
3. Cooler media:	Ice (Bag)
4. No. Coolers:	1

Quality Control Preservation	Y or N	N/A
1. Trip Blank present / cooler:	☑ ☐	☐
2. Trip Blank listed on COC:	☑ ☐	☐
3. Samples preserved properly:	☑ ☐	
4. VOCs headspace free:	☑ ☐	☐

Sample Integrity - Documentation	Y or N
1. Sample labels present on bottles:	☑ ☐
2. Container labeling complete:	☑ ☐
3. Sample container label / COC agree:	☑ ☐

Sample Integrity - Condition	Y or N
1. Sample recvd within HT:	☑ ☐
2. All containers accounted for:	☑ ☐
3. Condition of sample:	Intact

Sample Integrity - Instructions	Y or N	N/A
1. Analysis requested is clear:	☑ ☐	
2. Bottles received for unspecified tests	☐ ☑	
3. Sufficient volume recvd for analysis:	☑ ☐	
4. Compositing instructions clear:	☐ ☐	☑
5. Filtering instructions clear:	☐ ☐	☑

Comments

Accutest Laboratories
V:408.588.0200

2105 Lundy Avenue
F: 408.588.0201

San Jose, CA 95131
www/accutest.com

C27908: 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: C27908
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1387-MB	W39594.D	1	06/01/13	TN	n/a	n/a	VW1387

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

C27908-1, C27908-2, C27908-3, C27908-4, C27908-5, C27908-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	

Method Blank Summary

Job Number: C27908
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1387-MB	W39594.D	1	06/01/13	TN	n/a	n/a	VW1387

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

C27908-1, C27908-2, C27908-3, C27908-4, C27908-5, C27908-6

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	92%	70-130%

Method Blank Summary

Job Number: C27908
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1387-MB	W39594.D	1	06/01/13	TN	n/a	n/a	VW1387

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

C27908-1, C27908-2, C27908-3, C27908-4, C27908-5, C27908-6

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	94%	70-130%
460-00-4	4-Bromofluorobenzene	88%	70-130%

Method Blank Summary

Job Number: C27908
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ608-MB	Q15156.D	1	06/01/13	TN	n/a	n/a	VQ608

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

C27908-7, C27908-8, C27908-9, C27908-10, C27908-11

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	

Method Blank Summary

Job Number: C27908
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ608-MB	Q15156.D	1	06/01/13	TN	n/a	n/a	VQ608

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

C27908-7, C27908-8, C27908-9, C27908-10, C27908-11

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	87%	70-130%

Method Blank Summary

Job Number: C27908
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ608-MB	Q15156.D	1	06/01/13	TN	n/a	n/a	VQ608

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

C27908-7, C27908-8, C27908-9, C27908-10, C27908-11

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	105%	70-130%
460-00-4	4-Bromofluorobenzene	102%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27908
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ608-BS	Q15153.D	1	06/01/13	TN	n/a	n/a	VQ608
VQ608-BSD	Q15154.D	1	06/01/13	TN	n/a	n/a	VQ608

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

C27908-7, C27908-8, C27908-9, C27908-10, C27908-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	80	60.7	76	61.6	77	1	38-159/24
71-43-2	Benzene	20	19.3	97	19.2	96	1	77-122/25
108-86-1	Bromobenzene	20	20.8	104	20.9	105	0	76-126/17
74-97-5	Bromochloromethane	20	18.5	93	18.9	95	2	77-130/17
75-27-4	Bromodichloromethane	20	21.4	107	21.4	107	0	75-127/16
75-25-2	Bromoform	20	19.2	96	18.7	94	3	69-141/17
104-51-8	n-Butylbenzene	20	23.4	117	23.3	117	0	72-129/18
135-98-8	sec-Butylbenzene	20	22.5	113	22.4	112	0	74-128/18
98-06-6	tert-Butylbenzene	20	22.9	115	22.9	115	0	73-127/18
108-90-7	Chlorobenzene	20	18.9	95	18.8	94	1	77-122/16
75-00-3	Chloroethane	20	15.8	79	16.6	83	5	69-133/18
67-66-3	Chloroform	20	19.6	98	19.8	99	1	74-126/17
95-49-8	o-Chlorotoluene	20	19.9	100	20.0	100	1	72-127/20
106-43-4	p-Chlorotoluene	20	20.9	105	20.9	105	0	68-127/18
56-23-5	Carbon tetrachloride	20	26.4	132	25.7	129	3	71-133/19
75-34-3	1,1-Dichloroethane	20	18.4	92	18.7	94	2	71-125/17
75-35-4	1,1-Dichloroethylene	20	20.6	103	20.5	103	0	66-125/20
563-58-6	1,1-Dichloropropene	20	24.2	121	23.4	117	3	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	20	20.0	100	19.8	99	1	65-131/20
106-93-4	1,2-Dibromoethane	20	21.4	107	21.3	107	0	75-135/17
107-06-2	1,2-Dichloroethane	20	21.1	106	21.1	106	0	71-131/17
78-87-5	1,2-Dichloropropane	20	19.5	98	19.4	97	1	78-124/16
142-28-9	1,3-Dichloropropane	20	20.1	101	19.9	100	1	78-123/16
108-20-3	Di-Isopropyl ether	20	17.0	85	17.3	87	2	68-129/17
594-20-7	2,2-Dichloropropane	20	22.6	113	22.6	113	0	70-131/19
124-48-1	Dibromochloromethane	20	19.4	97	19.0	95	2	76-132/16
75-71-8	Dichlorodifluoromethane	20	23.7	119	25.2	126	6	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	18.9	95	19.3	97	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	21.1	106	20.9	105	1	72-130/16
541-73-1	m-Dichlorobenzene	20	19.3	97	19.5	98	1	75-124/16
95-50-1	o-Dichlorobenzene	20	19.1	96	19.3	97	1	76-124/16
106-46-7	p-Dichlorobenzene	20	20.5	103	20.5	103	0	75-124/16
156-60-5	trans-1,2-Dichloroethylene	20	19.7	99	19.7	99	0	71-126/18
10061-02-6	trans-1,3-Dichloropropene	20	21.3	107	21.1	106	1	71-126/16
100-41-4	Ethylbenzene	20	21.7	109	21.4	107	1	76-126/17
637-92-3	Ethyl Tert Butyl Ether	20	20.9	105	21.4	107	2	75-134/17

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27908
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ608-BS	Q15153.D	1	06/01/13	TN	n/a	n/a	VQ608
VQ608-BSD	Q15154.D	1	06/01/13	TN	n/a	n/a	VQ608

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

C27908-7, C27908-8, C27908-9, C27908-10, C27908-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	80	80.0	100	78.2	98	2	67-150/22
87-68-3	Hexachlorobutadiene	20	23.1	116	23.5	118	2	69-135/20
98-82-8	Isopropylbenzene	20	21.1	106	20.7	104	2	61-125/17
99-87-6	p-Isopropyltoluene	20	22.9	115	22.8	114	0	68-127/18
108-10-1	4-Methyl-2-pentanone	80	83.9	105	82.8	104	1	71-142/21
74-83-9	Methyl bromide	20	17.2	86	17.8	89	3	68-132/18
74-87-3	Methyl chloride	20	18.8	94	19.3	97	3	39-150/28
74-95-3	Methylene bromide	20	20.6	103	20.5	103	0	77-127/16
75-09-2	Methylene chloride	20	16.6	83	17.1	86	3	67-128/18
78-93-3	Methyl ethyl ketone	80	69.9	87	68.6	86	2	56-155/23
1634-04-4	Methyl Tert Butyl Ether	20	20.4	102	20.7	104	1	73-132/17
91-20-3	Naphthalene	20	21.9	110	22.2	111	1	70-136/20
103-65-1	n-Propylbenzene	20	21.3	107	21.2	106	0	71-127/17
100-42-5	Styrene	20	20.7	104	20.4	102	1	72-134/16
994-05-8	Tert-Amyl Methyl Ether	20	20.5	103	20.9	105	2	73-133/17
75-65-0	Tert-Butyl Alcohol	100	95.2	95	95.7	96	1	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	20	22.9	115	22.7	114	1	77-130/16
71-55-6	1,1,1-Trichloroethane	20	22.6	113	22.5	113	0	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	21.0	105	20.9	105	0	77-129/17
79-00-5	1,1,2-Trichloroethane	20	19.3	97	19.2	96	1	77-125/16
87-61-6	1,2,3-Trichlorobenzene	20	20.8	104	21.4	107	3	70-133/18
96-18-4	1,2,3-Trichloropropane	20	18.6	93	18.2	91	2	69-126/18
120-82-1	1,2,4-Trichlorobenzene	20	21.7	109	22.0	110	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	23.4	117	23.3	117	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	24.7	124	24.5	123	1	77-129/17
127-18-4	Tetrachloroethylene	20	21.7	109	21.1	106	3	69-127/20
108-88-3	Toluene	20	20.6	103	20.5	103	0	75-122/17
79-01-6	Trichloroethylene	20	22.2	111	21.9	110	1	78-123/17
75-69-4	Trichlorofluoromethane	20	19.8	99	21.0	105	6	65-136/23
75-01-4	Vinyl chloride	20	20.0	100	20.3	102	1	57-146/22
1330-20-7	Xylene (total)	60	60.4	101	59.6	99	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	94%	96%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27908
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ608-BS	Q15153.D	1	06/01/13	TN	n/a	n/a	VQ608
VQ608-BSD	Q15154.D	1	06/01/13	TN	n/a	n/a	VQ608

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

C27908-7, C27908-8, C27908-9, C27908-10, C27908-11

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	101%	100%	70-130%
460-00-4	4-Bromofluorobenzene	105%	104%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27908
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1387-BS	W39591.D	1	06/01/13	TN	n/a	n/a	VW1387
VW1387-BSD	W39592.D	1	06/01/13	TN	n/a	n/a	VW1387

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

C27908-1, C27908-2, C27908-3, C27908-4, C27908-5, C27908-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	80	72.5	91	77.6	97	7	38-159/24
71-43-2	Benzene	20	19.3	97	19.3	97	0	77-122/25
108-86-1	Bromobenzene	20	19.9	100	20.3	102	2	76-126/17
74-97-5	Bromochloromethane	20	22.3	112	22.6	113	1	77-130/17
75-27-4	Bromodichloromethane	20	19.5	98	19.7	99	1	75-127/16
75-25-2	Bromoform	20	20.6	103	20.8	104	1	69-141/17
104-51-8	n-Butylbenzene	20	19.0	95	19.1	96	1	72-129/18
135-98-8	sec-Butylbenzene	20	18.4	92	18.5	93	1	74-128/18
98-06-6	tert-Butylbenzene	20	17.9	90	18.3	92	2	73-127/18
108-90-7	Chlorobenzene	20	18.2	91	18.4	92	1	77-122/16
75-00-3	Chloroethane	20	17.3	87	17.6	88	2	69-133/18
67-66-3	Chloroform	20	19.6	98	19.7	99	1	74-126/17
95-49-8	o-Chlorotoluene	20	16.7	84	18.5	93	10	72-127/20
106-43-4	p-Chlorotoluene	20	16.6	83	16.9	85	2	68-127/18
56-23-5	Carbon tetrachloride	20	20.9	105	20.9	105	0	71-133/19
75-34-3	1,1-Dichloroethane	20	18.9	95	19.0	95	1	71-125/17
75-35-4	1,1-Dichloroethylene	20	20.6	103	20.6	103	0	66-125/20
563-58-6	1,1-Dichloropropene	20	20.3	102	20.3	102	0	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	20	20.0	100	20.3	102	1	65-131/20
106-93-4	1,2-Dibromoethane	20	22.5	113	22.9	115	2	75-135/17
107-06-2	1,2-Dichloroethane	20	20.1	101	20.2	101	0	71-131/17
78-87-5	1,2-Dichloropropane	20	19.1	96	19.0	95	1	78-124/16
142-28-9	1,3-Dichloropropane	20	20.7	104	21.0	105	1	78-123/16
108-20-3	Di-Isopropyl ether	20	17.5	88	17.5	88	0	68-129/17
594-20-7	2,2-Dichloropropane	20	18.8	94	19.0	95	1	70-131/19
124-48-1	Dibromochloromethane	20	21.4	107	21.7	109	1	76-132/16
75-71-8	Dichlorodifluoromethane	20	20.0	100	19.7	99	2	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	20.6	103	20.8	104	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	20.8	104	21.0	105	1	72-130/16
541-73-1	m-Dichlorobenzene	20	18.1	91	18.3	92	1	75-124/16
95-50-1	o-Dichlorobenzene	20	18.6	93	18.7	94	1	76-124/16
106-46-7	p-Dichlorobenzene	20	19.6	98	19.9	100	2	75-124/16
156-60-5	trans-1,2-Dichloroethylene	20	21.0	105	21.2	106	1	71-126/18
10061-02-6	trans-1,3-Dichloropropene	20	19.1	96	19.2	96	1	71-126/16
100-41-4	Ethylbenzene	20	19.4	97	19.5	98	1	76-126/17
637-92-3	Ethyl Tert Butyl Ether	20	20.6	103	20.7	104	0	75-134/17

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27908
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1387-BS	W39591.D	1	06/01/13	TN	n/a	n/a	VW1387
VW1387-BSD	W39592.D	1	06/01/13	TN	n/a	n/a	VW1387

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

C27908-1, C27908-2, C27908-3, C27908-4, C27908-5, C27908-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	80	79.8	100	81.9	102	3	67-150/22
87-68-3	Hexachlorobutadiene	20	19.8	99	20.1	101	2	69-135/20
98-82-8	Isopropylbenzene	20	18.4	92	18.5	93	1	61-125/17
99-87-6	p-Isopropyltoluene	20	18.2	91	18.3	92	1	68-127/18
108-10-1	4-Methyl-2-pentanone	80	78.8	99	80.7	101	2	71-142/21
74-83-9	Methyl bromide	20	19.4	97	19.6	98	1	68-132/18
74-87-3	Methyl chloride	20	16.1	81	16.5	83	2	39-150/28
74-95-3	Methylene bromide	20	21.5	108	21.8	109	1	77-127/16
75-09-2	Methylene chloride	20	19.6	98	19.8	99	1	67-128/18
78-93-3	Methyl ethyl ketone	80	84.6	106	87.7	110	4	56-155/23
1634-04-4	Methyl Tert Butyl Ether	20	21.1	106	21.5	108	2	73-132/17
91-20-3	Naphthalene	20	23.3	117	24.2	121	4	70-136/20
103-65-1	n-Propylbenzene	20	17.1	86	17.2	86	1	71-127/17
100-42-5	Styrene	20	17.7	89	17.7	89	0	72-134/16
994-05-8	Tert-Amyl Methyl Ether	20	20.7	104	21.1	106	2	73-133/17
75-65-0	Tert-Butyl Alcohol	100	101	101	107	107	6	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	20	20.2	101	20.3	102	0	77-130/16
71-55-6	1,1,1-Trichloroethane	20	20.3	102	20.4	102	0	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	22.1	111	22.7	114	3	77-129/17
79-00-5	1,1,2-Trichloroethane	20	21.1	106	21.5	108	2	77-125/16
87-61-6	1,2,3-Trichlorobenzene	20	21.6	108	22.4	112	4	70-133/18
96-18-4	1,2,3-Trichloropropane	20	20.5	103	20.8	104	1	69-126/18
120-82-1	1,2,4-Trichlorobenzene	20	20.5	103	21.0	105	2	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	19.4	97	19.5	98	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	19.7	99	19.8	99	1	77-129/17
127-18-4	Tetrachloroethylene	20	20.5	103	20.5	103	0	69-127/20
108-88-3	Toluene	20	19.2	96	19.4	97	1	75-122/17
79-01-6	Trichloroethylene	20	19.6	98	19.8	99	1	78-123/17
75-69-4	Trichlorofluoromethane	20	18.9	95	18.9	95	0	65-136/23
75-01-4	Vinyl chloride	20	19.7	99	19.9	100	1	57-146/22
1330-20-7	Xylene (total)	60	55.5	93	56.0	93	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	100%	100%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27908
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1387-BS	W39591.D	1	06/01/13	TN	n/a	n/a	VW1387
VW1387-BSD	W39592.D	1	06/01/13	TN	n/a	n/a	VW1387

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

C27908-1, C27908-2, C27908-3, C27908-4, C27908-5, C27908-6

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	91%	91%	70-130%
460-00-4	4-Bromofluorobenzene	90%	91%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27908
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27912-15MS	Q15170.D	2.5	06/01/13	TN	n/a	n/a	VQ608
C27912-15MSD	Q15171.D	2.5	06/01/13	TN	n/a	n/a	VQ608
C27912-15	Q15183.D	2.5	06/03/13	TN	n/a	n/a	VQ608

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

C27908-7, C27908-8, C27908-9, C27908-10, C27908-11

CAS No.	Compound	C27912-15 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	343		200	432	45	476	67	10	38-159/24
71-43-2	Benzene	2.2	J	50	48.0	92	49.0	94	2	77-122/16
108-86-1	Bromobenzene	2.5 U		50	50.6	101	51.8	104	2	76-126/17
74-97-5	Bromochloromethane	2.5 U		50	50.7	101	49.9	100	2	77-130/17
75-27-4	Bromodichloromethane	2.5 U		50	51.2	102	50.4	101	2	75-127/16
75-25-2	Bromoform	2.5 U		50	33.6	67* [a]	34.7	69 [b]	3	69-141/17
104-51-8	n-Butylbenzene	5.0 U		50	48.2	96	50.3	101	4	72-129/18
135-98-8	sec-Butylbenzene	5.0 U		50	45.9	92	48.6	97	6	74-128/18
98-06-6	tert-Butylbenzene	5.0 U		50	50.8	102	53.7	107	6	73-127/18
108-90-7	Chlorobenzene	0.82	J	50	46.3	91	46.9	92	1	77-122/16
75-00-3	Chloroethane	3.2		50	48.9	91	47.1	88	4	69-133/18
67-66-3	Chloroform	2.5 U		50	55.4	111	54.0	108	3	74-126/17
95-49-8	o-Chlorotoluene	5.0 U		50	47.1	94	48.7	97	3	72-127/20
106-43-4	p-Chlorotoluene	5.0 U		50	49.6	99	50.8	102	2	68-127/18
56-23-5	Carbon tetrachloride	2.5 U		50	52.8	106	55.0	110	4	71-133/19
75-34-3	1,1-Dichloroethane	3.9		50	54.6	101	53.7	100	2	71-125/17
75-35-4	1,1-Dichloroethylene	2.5 U		50	44.9	90	46.8	94	4	66-125/20
563-58-6	1,1-Dichloropropene	2.5 U		50	50.6	101	53.1	106	5	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U		50	51.4	103	52.9	106	3	65-131/20
106-93-4	1,2-Dibromoethane	2.5 U		50	52.4	105	53.2	106	2	75-135/17
107-06-2	1,2-Dichloroethane	2.5 U		50	57.2	114	55.4	111	3	71-131/17
78-87-5	1,2-Dichloropropane	2.5 U		50	47.5	95	47.5	95	0	78-124/16
142-28-9	1,3-Dichloropropane	2.5 U		50	48.7	97	49.7	99	2	78-123/16
108-20-3	Di-Isopropyl ether	5.0 U		50	45.6	91	45.7	91	0	68-129/17
594-20-7	2,2-Dichloropropane	2.5 U		50	47.7	95	47.8	96	0	70-131/19
124-48-1	Dibromochloromethane	2.5 U		50	40.4	81	41.0	82	1	76-132/16
75-71-8	Dichlorodifluoromethane	5.9		50	66.0	120	57.1	102	14	32-168/28
156-59-2	cis-1,2-Dichloroethylene	63.1		50	110	94	107	88	3	73-126/17
10061-01-5	cis-1,3-Dichloropropene	2.5 U		50	45.1	90	46.2	92	2	72-130/16
541-73-1	m-Dichlorobenzene	2.1	J	50	48.5	93	49.2	94	1	75-124/16
95-50-1	o-Dichlorobenzene	7.8		50	52.4	89	53.3	91	2	76-124/16
106-46-7	p-Dichlorobenzene	18.6		50	65.0	93	65.8	94	1	75-124/16
156-60-5	trans-1,2-Dichloroethylene	2.5 U		50	50.7	101	51.6	103	2	71-126/18
10061-02-6	trans-1,3-Dichloropropene	2.5 U		50	44.0	88	45.4	91	3	71-126/16
100-41-4	Ethylbenzene	18.6		50	62.0	87	63.3	89	2	76-126/17
637-92-3	Ethyl Tert Butyl Ether	5.0 U		50	56.0	112	55.4	111	1	75-134/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27908
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27912-15MS	Q15170.D	2.5	06/01/13	TN	n/a	n/a	VQ608
C27912-15MSD	Q15171.D	2.5	06/01/13	TN	n/a	n/a	VQ608
C27912-15	Q15183.D	2.5	06/03/13	TN	n/a	n/a	VQ608

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

C27908-7, C27908-8, C27908-9, C27908-10, C27908-11

CAS No.	Compound	C27912-15 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	180		200	402	111	400	110	0	67-150/22
87-68-3	Hexachlorobutadiene	5.0 U		50	50.3	101	51.2	102	2	69-135/20
98-82-8	Isopropylbenzene	0.94	J	50	47.1	92	48.6	95	3	61-125/17
99-87-6	p-Isopropyltoluene	10		50	56.6	93	58.4	97	3	68-127/18
108-10-1	4-Methyl-2-pentanone	19.9	J	200	255	118	255	118	0	71-142/21
74-83-9	Methyl bromide	5.0 U		50	48.5	97	46.1	92	5	68-132/18
74-87-3	Methyl chloride	2.5 U		50	59.2	118	54.2	108	9	39-150/28
74-95-3	Methylene bromide	2.5 U		50	52.6	105	51.6	103	2	77-127/16
75-09-2	Methylene chloride	25 U		50	46.0	92	45.3	91	2	67-128/18
78-93-3	Methyl ethyl ketone	181		200	397	108	388	104	2	56-155/23
1634-04-4	Methyl Tert Butyl Ether	2.5 U		50	54.9	110	54.8	110	0	73-132/17
91-20-3	Naphthalene	4.3	J	50	59.8	111	60.2	112	1	70-136/20
103-65-1	n-Propylbenzene	1.0	J	50	47.6	93	50.1	98	5	71-127/17
100-42-5	Styrene	2.5 U		50	38.8	78	39.0	78	1	72-134/16
994-05-8	Tert-Amyl Methyl Ether	5.0 U		50	53.9	108	54.2	108	1	73-133/17
75-65-0	Tert-Butyl Alcohol	25 U		250	257	103	284	114	10	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	2.5 U		50	55.4	111	55.8	112	1	77-130/16
71-55-6	1,1,1-Trichloroethane	0.88	J	50	59.0	116	59.6	117	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	2.5 U		50	52.1	104	53.2	106	2	77-129/17
79-00-5	1,1,2-Trichloroethane	2.5 U		50	45.2	90	46.5	93	3	77-125/16
87-61-6	1,2,3-Trichlorobenzene	5.0 U		50	51.6	103	50.6	101	2	70-133/18
96-18-4	1,2,3-Trichloropropane	5.0 U		50	38.9	78	40.0	80	3	69-126/18
120-82-1	1,2,4-Trichlorobenzene	5.0 U		50	51.8	104	51.2	102	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	11.6		50	63.3	103	64.8	106	2	74-129/17
108-67-8	1,3,5-Trimethylbenzene	2.5	J	50	57.5	110	59.4	114	3	77-129/17
127-18-4	Tetrachloroethylene	8.2		50	52.2	88	54.7	93	5	69-127/20
108-88-3	Toluene	120		50	145	50* c	146	52* c	1	75-122/17
79-01-6	Trichloroethylene	12.3		50	65.0	105	65.5	106	1	78-123/17
75-69-4	Trichlorofluoromethane	4.5		50	55.3	102	52.5	96	5	65-136/23
75-01-4	Vinyl chloride	0.77	J	50	54.5	107	55.3	109	1	57-146/22
1330-20-7	Xylene (total)	28.5		150	161	88	164	90	2	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C27912-15	Limits
1868-53-7	Dibromofluoromethane	110%	104%	98%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27908
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27912-15MS	Q15170.D	2.5	06/01/13	TN	n/a	n/a	VQ608
C27912-15MSD	Q15171.D	2.5	06/01/13	TN	n/a	n/a	VQ608
C27912-15	Q15183.D	2.5	06/03/13	TN	n/a	n/a	VQ608

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

C27908-7, C27908-8, C27908-9, C27908-10, C27908-11

CAS No.	Surrogate Recoveries	MS	MSD	C27912-15	Limits
2037-26-5	Toluene-D8	98%	99%	102%	70-130%
460-00-4	4-Bromofluorobenzene	108%	106%	106%	70-130%

(a) Outside control limits due to matrix interference.
(b) Outside DOD-QSM4 control limits; within laboratory control limits.
(c) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27908
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27908-2MS	W39612.D	1	06/01/13	TN	n/a	n/a	VW1387
C27908-2MSD	W39613.D	1	06/01/13	TN	n/a	n/a	VW1387
C27908-2	W39596.D	1	06/01/13	TN	n/a	n/a	VW1387

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

C27908-1, C27908-2, C27908-3, C27908-4, C27908-5, C27908-6

CAS No.	Compound	C27908-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		80	79.8	100	84.1	105	5	38-159/24
71-43-2	Benzene	ND		20	19.8	99	19.6	98	1	77-122/16
108-86-1	Bromobenzene	ND		20	19.5	98	19.9	100	2	76-126/17
74-97-5	Bromochloromethane	ND		20	21.4	107	21.3	107	0	77-130/17
75-27-4	Bromodichloromethane	ND		20	20.4	102	20.0	100	2	75-127/16
75-25-2	Bromoform	ND		20	19.4	97	19.6	98	1	69-141/17
104-51-8	n-Butylbenzene	ND		20	20.4	102	20.4	102	0	72-129/18
135-98-8	sec-Butylbenzene	ND		20	19.6	98	19.7	99	1	74-128/18
98-06-6	tert-Butylbenzene	ND		20	18.8	94	19.2	96	2	73-127/18
108-90-7	Chlorobenzene	ND		20	18.3	92	18.5	93	1	77-122/16
75-00-3	Chloroethane	ND		20	19.0	95	19.0	95	0	69-133/18
67-66-3	Chloroform	ND		20	20.6	103	20.3	102	1	74-126/17
95-49-8	o-Chlorotoluene	ND		20	17.5	88	19.6	98	11	72-127/20
106-43-4	p-Chlorotoluene	ND		20	17.2	86	17.3	87	1	68-127/18
56-23-5	Carbon tetrachloride	ND		20	23.9	120	23.5	118	2	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	19.8	99	19.5	98	2	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	21.6	108	21.5	108	0	66-125/20
563-58-6	1,1-Dichloropropene	ND		20	22.4	112	22.1	111	1	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	ND		20	21.0	105	20.8	104	1	65-131/20
106-93-4	1,2-Dibromoethane	ND		20	22.5	113	22.7	114	1	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	22.1	111	21.7	109	2	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	19.4	97	19.3	97	1	78-124/16
142-28-9	1,3-Dichloropropane	ND		20	21.1	106	21.3	107	1	78-123/16
108-20-3	Di-Isopropyl ether	ND		20	17.9	90	17.7	89	1	68-129/17
594-20-7	2,2-Dichloropropane	ND		20	17.1	86	16.7	84	2	70-131/19
124-48-1	Dibromochloromethane	ND		20	21.2	106	21.0	105	1	76-132/16
75-71-8	Dichlorodifluoromethane	ND		20	32.5	163	31.6	158	3	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	20.5	103	20.1	101	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	19.8	99	19.6	98	1	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	18.0	90	18.2	91	1	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	18.6	93	18.8	94	1	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	19.5	98	19.7	99	1	75-124/16
156-60-5	trans-1,2-Dichloroethylene	ND		20	21.0	105	21.2	106	1	71-126/18
10061-02-6	trans-1,3-Dichloropropene	ND		20	18.4	92	18.6	93	1	71-126/16
100-41-4	Ethylbenzene	ND		20	20.3	102	20.5	103	1	76-126/17
637-92-3	Ethyl Tert Butyl Ether	ND		20	20.8	104	20.6	103	1	75-134/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27908
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27908-2MS	W39612.D	1	06/01/13	TN	n/a	n/a	VW1387
C27908-2MSD	W39613.D	1	06/01/13	TN	n/a	n/a	VW1387
C27908-2	W39596.D	1	06/01/13	TN	n/a	n/a	VW1387

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

C27908-1, C27908-2, C27908-3, C27908-4, C27908-5, C27908-6

CAS No.	Compound	C27908-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND		80	87.4	109	94.0	118	7	67-150/22
87-68-3	Hexachlorobutadiene	ND		20	21.0	105	20.9	105	0	69-135/20
98-82-8	Isopropylbenzene	ND		20	19.6	98	19.6	98	0	61-125/17
99-87-6	p-Isopropyltoluene	ND		20	19.0	95	19.1	96	1	68-127/18
108-10-1	4-Methyl-2-pentanone	ND		80	85.0	106	89.4	112	5	71-142/21
74-83-9	Methyl bromide	ND		20	19.6	98	19.4	97	1	68-132/18
74-87-3	Methyl chloride	ND		20	18.3	92	18.0	90	2	39-150/28
74-95-3	Methylene bromide	ND		20	21.9	110	21.8	109	0	77-127/16
75-09-2	Methylene chloride	ND		20	19.0	95	18.8	94	1	67-128/18
78-93-3	Methyl ethyl ketone	ND		80	85.1	106	90.4	113	6	56-155/23
1634-04-4	Methyl Tert Butyl Ether	ND		20	21.0	105	20.9	105	0	73-132/17
91-20-3	Naphthalene	ND		20	23.2	116	23.4	117	1	70-136/20
103-65-1	n-Propylbenzene	ND		20	18.1	91	18.2	91	1	71-127/17
100-42-5	Styrene	ND		20	17.2	86	17.6	88	2	72-134/16
994-05-8	Tert-Amyl Methyl Ether	ND		20	20.4	102	20.2	101	1	73-133/17
75-65-0	Tert-Butyl Alcohol	ND		100	114	114	110	110	4	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	ND		20	20.6	103	20.8	104	1	77-130/16
71-55-6	1,1,1-Trichloroethane	ND		20	22.6	113	22.2	111	2	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	22.5	113	22.6	113	0	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	21.4	107	21.5	108	0	77-125/16
87-61-6	1,2,3-Trichlorobenzene	ND		20	21.4	107	21.6	108	1	70-133/18
96-18-4	1,2,3-Trichloropropane	ND		20	19.4	97	19.7	99	2	69-126/18
120-82-1	1,2,4-Trichlorobenzene	ND		20	20.1	101	20.3	102	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	19.7	99	20.0	100	2	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	20.4	102	20.6	103	1	77-129/17
127-18-4	Tetrachloroethylene	ND		20	20.8	104	21.2	106	2	69-127/20
108-88-3	Toluene	ND		20	19.7	99	20.0	100	2	75-122/17
79-01-6	Trichloroethylene	0.66	J	20	21.5	104	21.4	104	0	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	26.9	135	26.6	133	1	65-136/23
75-01-4	Vinyl chloride	ND		20	24.8	124	24.3	122	2	57-146/22
1330-20-7	Xylene (total)	ND		60	56.9	95	57.7	96	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C27908-2	Limits
1868-53-7	Dibromofluoromethane	100%	99%	92%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27908
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27908-2MS	W39612.D	1	06/01/13	TN	n/a	n/a	VW1387
C27908-2MSD	W39613.D	1	06/01/13	TN	n/a	n/a	VW1387
C27908-2	W39596.D	1	06/01/13	TN	n/a	n/a	VW1387

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

C27908-1, C27908-2, C27908-3, C27908-4, C27908-5, C27908-6

CAS No.	Surrogate Recoveries	MS	MSD	C27908-2	Limits
2037-26-5	Toluene-D8	93%	94%	94%	70-130%
460-00-4	4-Bromofluorobenzene	93%	92%	88%	70-130%

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

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

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27908
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP5113/GN10968	3.0	0.0	ug/l	25	22.7	90.8	85-115%
Perchlorate	GP5122/GN10991	3.0	0.0	ug/l	25	25.3	101.2	85-115%
Perchlorate	GP5140/GN11026	3.0	0.0	ug/l	25	26.2	104.8	85-115%
Specific Conductivity	GN10932	1.0	0.0	umhos/cm				
Specific Conductivity	GN10933	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP5113: C27908-3, C27908-4
Batch GP5122: C27908-2, C27908-5, C27908-6, C27908-7, C27908-8, C27908-9
Batch GP5140: C27908-10, C27908-11
Batch GN10932: C27908-3, C27908-4, C27908-5, C27908-6, C27908-7, C27908-8, C27908-9, C27908-10, C27908-11
Batch GN10933: C27908-2
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27908
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP5113/GN10968	ug/l	25	23.5	3.5	
Perchlorate	GP5122/GN10991	ug/l	25	25.6	1.2	
Perchlorate	GP5140/GN11026	ug/l	25	26.2	0.0	

Associated Samples:
Batch GP5113: C27908-3, C27908-4
Batch GP5122: C27908-2, C27908-5, C27908-6, C27908-7, C27908-8, C27908-9
Batch GP5140: C27908-10, C27908-11
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27908
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN10932	C27908-11	umhos/cm	390	392	0.5	0-10%
Specific Conductivity	GN10933	C27908-2	umhos/cm	473	468	1.1	0-10%

Associated Samples:
Batch GN10932: C27908-3, C27908-4, C27908-5, C27908-6, C27908-7, C27908-8, C27908-9, C27908-10, C27908-11
Batch GN10933: C27908-2
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27908
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP5122/GN10991	C27908-2	ug/l	7.6	25	31.3	94.8	80-120%
Perchlorate	GP5140/GN11026	C27909-2	ug/l	18.3	25	43.7	101.6	80-120%

Associated Samples:
Batch GP5113: C27908-3, C27908-4
Batch GP5122: C27908-2, C27908-5, C27908-6, C27908-7, C27908-8, C27908-9
Batch GP5140: C27908-10, C27908-11
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27908
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP5122/GN10991	C27908-2	ug/l	7.6	25	31.5	0.6	15%
Perchlorate	GP5140/GN11026	C27909-2	ug/l	18.3	25	43.5	0.5	15%

Associated Samples:
Batch GP5113: C27908-3, C27908-4
Batch GP5122: C27908-2, C27908-5, C27908-6, C27908-7, C27908-8, C27908-9
Batch GP5140: C27908-10, C27908-11
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
ACCUTEST
LABORATORIES

06/12/13

Technical Report for

ERM-Irvine

BF Goodrich Superfund Sampling,Rialto

0179962.04.C

Accutest Job Number: C27909

Sampling Date: 05/24/13

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Total number of pages in report: **60**

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

James J. Rhudy
Lab Director

Client Service contact: Nutan Kabir 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD/ISO/IEC 17025:2005 (L2242)

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Sample Summary

ERM-Irvine

Job No: C27909

BF Goodrich Superfund Sampling, Rialto
Project No: 0179962.04.C

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C27909-1	05/24/13	07:55	BTS	05/25/13	AQ	Ground Water	PW-3-490-GW-24/05/2013
C27909-2	05/24/13	08:25	BTS	05/25/13	AQ	Ground Water	PW-4-490-GW-24/05/2013
C27909-3	05/24/13	09:30	BTS	05/25/13	AQ	Ground Water	EPA-MP-9A-535-GW-24/05/2013
C27909-4	05/24/13	09:55	BTS	05/25/13	AQ	Ground Water	EPA-MMP-9B-725-GW-24/05/2013
C27909-5	05/24/13	10:45	BTS	05/25/13	AQ	Ground Water	IN-5W-34D35-600-GW-24/05/2013
C27909-6	05/24/13	11:20	BTS	05/25/13	AQ	Ground Water	IN-5W-34D25-770-GW-24/05/2013
C27909-7	05/24/13	12:15	BTS	05/25/13	AQ	Ground Water	PW-2-475-GW-24/05/2013
C27909-8	05/24/13	05:30	BTS	05/25/13	AQ	Trip Blank Water	24052013TB-4
C27909-9	05/24/13	12:30	BTS	05/25/13	AQ	Field Blank Water	24052013FB-4

Summary of Hits

Job Number: C27909
Account: ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto
Collected: 05/24/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C27909-1	**PW-3-490-GW-24/05/2013**					
Chloroform		2.2	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		15.9	1.0	0.20	ug/l	SW846 8260B
Perchlorate		32.0	3.0		ug/l	EPA 314
Specific Conductivity		441	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27909-2	**PW-4-490-GW-24/05/2013**					
Acetone		6.6 J	20	4.0	ug/l	SW846 8260B
1,2-Dichloroethane		0.39 J	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		13.1	1.0	0.20	ug/l	SW846 8260B
Perchlorate		18.3	3.0		ug/l	EPA 314
Specific Conductivity		362	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27909-3	**EPA-MP-9A-535-GW-24/05/2013**					
Acetone		7.7 J	20	4.0	ug/l	SW846 8260B
1,2-Dichloroethane		0.95 J	1.0	0.20	ug/l	SW846 8260B
Toluene		20.5	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		7.5	1.0	0.20	ug/l	SW846 8260B
Perchlorate		199	15		ug/l	EPA 314
Specific Conductivity		359	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27909-4	**EPA-MMP-9B-725-GW-24/05/2013**					
Acetone		5.3 J	20	4.0	ug/l	SW846 8260B
Specific Conductivity		246	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27909-5	**IN-5W-34D35-600-GW-24/05/2013**					
Acetone		4.1 J	20	4.0	ug/l	SW846 8260B
Trichloroethylene		1.6	1.0	0.20	ug/l	SW846 8260B
Perchlorate		59.2	6.0		ug/l	EPA 314
Specific Conductivity		324	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27909-6	**IN-5W-34D25-770-GW-24/05/2013**					
Trichloroethylene		1.3	1.0	0.20	ug/l	SW846 8260B
Perchlorate		36.6	3.0		ug/l	EPA 314
Specific Conductivity		328	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27909-7	**PW-2-475-GW-24/05/2013**					
Acetone		4.3 J	20	4.0	ug/l	SW846 8260B

Summary of Hits

Job Number: C27909
Account: ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto
Collected: 05/24/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chloroform		0.51 J	1.0	0.20	ug/l	SW846 8260B
1,2-Dichloroethane		1.2	1.0	0.20	ug/l	SW846 8260B
Methyl Tert Butyl Ether		0.29 J	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		91.4	1.0	0.20	ug/l	SW846 8260B
Perchlorate		59.1	6.0		ug/l	EPA 314
Specific Conductivity		432	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27909-8	**24052013TB-4**					
No hits reported in this sample.						
C27909-9	**24052013FB-4**					
Specific Conductivity		1.8	1.0		umhos/cm	SM18 2510B/EPA 120.1

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	PW-3-490-GW-24/05/2013		
Lab Sample ID:	C27909-1	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q15188.D	1	06/03/13	TN	n/a	n/a	VQ609
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	2.2	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane [a]	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-3-490-GW-24/05/2013		
Lab Sample ID:	C27909-1	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene [a]	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	15.9	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-3-490-GW-24/05/2013		
Lab Sample ID:	C27909-1	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-3-490-GW-24/05/2013		
Lab Sample ID:	C27909-1	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	32.0	3.0	ug/l	1	06/07/13 17:01	PH	EPA 314
Specific Conductivity	441	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW-4-490-GW-24/05/2013		
Lab Sample ID:	C27909-2	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q15189.D	1	06/03/13	TN	n/a	n/a	VQ609
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	6.6	20	4.0	ug/l	J
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.39	1.0	0.20	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane [a]	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-4-490-GW-24/05/2013		
Lab Sample ID:	C27909-2	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene [a]	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	13.1	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		70-130%
2037-26-5	Toluene-D8	103%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-4-490-GW-24/05/2013		
Lab Sample ID:	C27909-2	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-4-490-GW-24/05/2013		
Lab Sample ID:	C27909-2	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	18.3	3.0	ug/l	1	06/07/13 17:18	PH	EPA 314
Specific Conductivity	362	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EPA-MP-9A-535-GW-24/05/2013		
Lab Sample ID:	C27909-3	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q15190.D	1	06/03/13	TN	n/a	n/a	VQ609
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	7.7	20	4.0	ug/l	J
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.95	1.0	0.20	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane [a]	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPA-MP-9A-535-GW-24/05/2013		
Lab Sample ID:	C27909-3	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene [a]	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	20.5	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	7.5	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
2037-26-5	Toluene-D8	75%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPA-MP-9A-535-GW-24/05/2013		
Lab Sample ID:	C27909-3	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPA-MP-9A-535-GW-24/05/2013		
Lab Sample ID:	C27909-3	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	199	15	ug/l	5	06/07/13 21:57	PH	EPA 314
Specific Conductivity	359	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EPA-MMP-9B-725-GW-24/05/2013		
Lab Sample ID:	C27909-4	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q15191.D	1	06/03/13	TN	n/a	n/a	VQ609
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.3	20	4.0	ug/l	J
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane [a]	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPA-MMP-9B-725-GW-24/05/2013		
Lab Sample ID:	C27909-4	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene [a]	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
2037-26-5	Toluene-D8	72%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPA-MMP-9B-725-GW-24/05/2013		
Lab Sample ID:	C27909-4	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EPA-MMP-9B-725-GW-24/05/2013		
Lab Sample ID:	C27909-4	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 3.0	3.0	ug/l	1	06/07/13 18:28	PH	EPA 314
Specific Conductivity	246	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	IN-5W-34D35-600-GW-24/05/2013		
Lab Sample ID:	C27909-5	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q15192.D	1	06/03/13	TN	n/a	n/a	VQ609
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.1	20	4.0	ug/l	J
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane [a]	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IN-5W-34D35-600-GW-24/05/2013		
Lab Sample ID:	C27909-5	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene [a]	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	1.6	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-130%
2037-26-5	Toluene-D8	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IN-5W-34D35-600-GW-24/05/2013		
Lab Sample ID:	C27909-5	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	104%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IN-5W-34D35-600-GW-24/05/2013		
Lab Sample ID:	C27909-5	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	59.2	6.0	ug/l	2	06/08/13 16:09	PH	EPA 314
Specific Conductivity	324	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	IN-5W-34D25-770-GW-24/05/2013		
Lab Sample ID:	C27909-6	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q15193.D	1	06/03/13	TN	n/a	n/a	VQ609
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane [a]	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IN-5W-34D25-770-GW-24/05/2013		
Lab Sample ID:	C27909-6	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene [a]	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	1.3	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		70-130%
2037-26-5	Toluene-D8	103%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IN-5W-34D25-770-GW-24/05/2013		
Lab Sample ID:	C27909-6	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IN-5W-34D25-770-GW-24/05/2013		
Lab Sample ID:	C27909-6	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	36.6	3.0	ug/l	1	06/07/13 19:03	PH	EPA 314
Specific Conductivity	328	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW-2-475-GW-24/05/2013		
Lab Sample ID:	C27909-7	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q15194.D	1	06/03/13	TN	n/a	n/a	VQ609
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.3	20	4.0	ug/l	J
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	0.51	1.0	0.20	ug/l	J
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	1.2	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane [a]	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-2-475-GW-24/05/2013		
Lab Sample ID:	C27909-7	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.29	1.0	0.20	ug/l	J
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene [a]	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	91.4	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-2-475-GW-24/05/2013		
Lab Sample ID:	C27909-7	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW-2-475-GW-24/05/2013		
Lab Sample ID:	C27909-7	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	59.1	6.0	ug/l	2	06/08/13 16:26	PH	EPA 314
Specific Conductivity	432	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	24052013TB-4		
Lab Sample ID:	C27909-8	**Date Sampled:**	05/24/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q15182.D	1	06/03/13	TN	n/a	n/a	VQ609
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane [a]	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	24052013TB-4		
Lab Sample ID:	C27909-8	**Date Sampled:**	05/24/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene [a]	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
2037-26-5	Toluene-D8	105%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	24052013TB-4		
Lab Sample ID:	C27909-8	**Date Sampled:**	05/24/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	104%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	24052013FB-4		
Lab Sample ID:	C27909-9	**Date Sampled:**	05/24/13
Matrix:	AQ - Field Blank Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q15195.D	1	06/03/13	TN	n/a	n/a	VQ609
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane [a]	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	24052013FB-4		
Lab Sample ID:	C27909-9	**Date Sampled:**	05/24/13
Matrix:	AQ - Field Blank Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene [a]	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	101%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	24052013FB-4		
Lab Sample ID:	C27909-9	**Date Sampled:**	05/24/13
Matrix:	AQ - Field Blank Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	104%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	24052013FB-4		
Lab Sample ID:	C27909-9	**Date Sampled:**	05/24/13
Matrix:	AQ - Field Blank Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	BF Goodrich Superfund Sampling,Rialto		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 3.0	3.0	ug/l	1	06/07/13 19:37	PH	EPA 314
Specific Conductivity	1.8	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

BLAINE
TECH SERVICES, INC

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

Exm CA15237

CONDUCT ANALYSIS TO DETECT

LAB - Accutest C27909

COC 1 of 2

CHAIN OF CUSTODY

CLIENT: ERM

SITE: BF Goodrich Rialto Superfund Site

Project Code/Job #: 0179962.04.C

Billing Information:
PO# 0179962.04.C

Report to:
Heather Balfour
ERM
2525 Natomas Park Drive, Suite 350
Sacramento, California 95833
Tel: +01 916 999 8944
heather.balfour@erm.com

VOC's 8260B—(3) 40ml VOA Vials with HCl
Perchlorate (314)—(1) 250 ml. Poly Unpreserved

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS #		VOC's 8260B	Perchlorate 314.0					ADD'L INFORMATION
PW-3-490-GW-24/05/2013	5/24/13	0755	W	4		X	X				-1	
PW-4-490-GW-24/05/2013		0815		4		X	X				-2	
EPA-MCSTA-535-GW-24/05/2013		0930		4		X	X				-3	
EPA-MMP-90-725-GW-24/05/2013		0955		4		X	X				-4	
IN/SW-34D35-600-GW-24/05/2013		1045		4		X	X				-5	
IN-SW-34D25-770-GW-24/05/2013		1120		4		X	X				-6	
PW-2-475-GW-24/05/2013		1215		4		X	X				-7	
24052013TB-4		0530		2		X					-8	
24052013FB-4		1230		4		X	X				-9	
											-10	EX

SAMPLING COMPLETED Emmanuel Vau	DATE 5/24/13	TIME 1400	SAMPLING PERFORMED BY Emmanuel Vau		RESULTS NEEDED NO LATER THAN
RELEASED BY			TIME 1420	RECEIVED BY	TIME 1420
RELEASED BY	5-24-13		TIME 1700	RECEIVED BY	TIME
RELEASED BY FEDEX			TIME	RECEIVED BY Lee Ba 5/25/13	TIME 0930
SHIPPED VIA			TIME SENT	COOLER #	TEMP = 5.4°C

IRVINE

4.1

4

C27909: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C27909 **Client:** ERM **Project:** BF GOODRICH RIALTO SUPERFUND SITE

Date / Time Received: 5/25/2013 **Delivery Method:** FedEx **Airbill #'s:** 803015869899

Cooler Temps (Initial/Adjusted): #1: (5.4/5.4); 0

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	IR Gun	
3. Cooler media:	Ice (Bag)	
4. No. Coolers:	1	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☑	☐	☐
2. Trip Blank listed on COC:	☑	☐	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

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

C27909: 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: C27909
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ609-MB	Q15181.D	1	06/03/13	TN	n/a	n/a	VQ609

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

C27909-1, C27909-2, C27909-3, C27909-4, C27909-5, C27909-6, C27909-7, C27909-8, C27909-9

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	

Method Blank Summary

Job Number: C27909
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ609-MB	Q15181.D	1	06/03/13	TN	n/a	n/a	VQ609

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

C27909-1, C27909-2, C27909-3, C27909-4, C27909-5, C27909-6, C27909-7, C27909-8, C27909-9

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	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	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	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	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	91%	70-130%

Method Blank Summary

Job Number: C27909
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ609-MB	Q15181.D	1	06/03/13	TN	n/a	n/a	VQ609

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

C27909-1, C27909-2, C27909-3, C27909-4, C27909-5, C27909-6, C27909-7, C27909-8, C27909-9

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	105%	70-130%
460-00-4	4-Bromofluorobenzene	104%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27909
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ609-BS	Q15178.D	1	06/03/13	TN	n/a	n/a	VQ609
VQ609-BSD	Q15179.D	1	06/03/13	TN	n/a	n/a	VQ609

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

C27909-1, C27909-2, C27909-3, C27909-4, C27909-5, C27909-6, C27909-7, C27909-8, C27909-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	80	72.2	90	70.8	89	2	38-159/24
71-43-2	Benzene	20	19.7	99	18.9	95	4	77-122/25
108-86-1	Bromobenzene	20	21.2	106	20.6	103	3	76-126/17
74-97-5	Bromochloromethane	20	20.9	105	18.9	95	10	77-130/17
75-27-4	Bromodichloromethane	20	22.3	112	21.1	106	6	75-127/16
75-25-2	Bromoform	20	20.9	105	19.4	97	7	69-141/17
104-51-8	n-Butylbenzene	20	23.2	116	21.4	107	8	72-129/18
135-98-8	sec-Butylbenzene	20	21.7	109	20.6	103	5	74-128/18
98-06-6	tert-Butylbenzene	20	22.8	114	21.6	108	5	73-127/18
108-90-7	Chlorobenzene	20	19.7	99	18.4	92	7	77-122/16
75-00-3	Chloroethane	20	18.2	91	17.8	89	2	69-133/18
67-66-3	Chloroform	20	21.9	110	20.2	101	8	74-126/17
95-49-8	o-Chlorotoluene	20	20.5	103	19.7	99	4	72-127/20
106-43-4	p-Chlorotoluene	20	20.9	105	20.4	102	2	68-127/18
56-23-5	Carbon tetrachloride	20	23.6	118	23.7	119	0	71-133/19
75-34-3	1,1-Dichloroethane	20	20.3	102	18.7	94	8	71-125/17
75-35-4	1,1-Dichloroethylene	20	20.3	102	19.7	99	3	66-125/20
563-58-6	1,1-Dichloropropene	20	21.9	110	21.5	108	2	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	20	20.9	105	19.8	99	5	65-131/20
106-93-4	1,2-Dibromoethane	20	21.9	110	20.2	101	8	75-135/17
107-06-2	1,2-Dichloroethane	20	21.7	109	20.5	103	6	71-131/17
78-87-5	1,2-Dichloropropane	20	19.9	100	18.9	95	5	78-124/16
142-28-9	1,3-Dichloropropane	20	20.8	104	19.3	97	7	78-123/16
108-20-3	Di-Isopropyl ether	20	19.3	97	17.6	88	9	68-129/17
594-20-7	2,2-Dichloropropane	20	24.7	124	23.7	119	4	70-131/19
124-48-1	Dibromochloromethane	20	20.4	102	18.8	94	8	76-132/16
75-71-8	Dichlorodifluoromethane	20	26.2	131	28.9	145	10	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	21.1	106	19.4	97	8	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	22.0	110	20.8	104	6	72-130/16
541-73-1	m-Dichlorobenzene	20	20.0	100	19.2	96	4	75-124/16
95-50-1	o-Dichlorobenzene	20	20.2	101	19.3	97	5	76-124/16
106-46-7	p-Dichlorobenzene	20	21.0	105	20.2	101	4	75-124/16
156-60-5	trans-1,2-Dichloroethylene	20	21.2	106	19.9	100	6	71-126/18
10061-02-6	trans-1,3-Dichloropropene	20	22.8	114	21.0	105	8	71-126/16
100-41-4	Ethylbenzene	20	22.1	111	20.9	105	6	76-126/17
637-92-3	Ethyl Tert Butyl Ether	20	24.0	120	21.8	109	10	75-134/17

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27909
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ609-BS	Q15178.D	1	06/03/13	TN	n/a	n/a	VQ609
VQ609-BSD	Q15179.D	1	06/03/13	TN	n/a	n/a	VQ609

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

C27909-1, C27909-2, C27909-3, C27909-4, C27909-5, C27909-6, C27909-7, C27909-8, C27909-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	80	85.4	107	80.0	100	7	67-150/22
87-68-3	Hexachlorobutadiene	20	23.3	117	21.0	105	10	69-135/20
98-82-8	Isopropylbenzene	20	21.6	108	20.1	101	7	61-125/17
99-87-6	p-Isopropyltoluene	20	22.8	114	21.3	107	7	68-127/18
108-10-1	4-Methyl-2-pentanone	80	89.9	112	84.6	106	6	71-142/21
74-83-9	Methyl bromide	20	19.7	99	18.9	95	4	68-132/18
74-87-3	Methyl chloride	20	20.9	105	20.7	104	1	39-150/28
74-95-3	Methylene bromide	20	21.3	107	20.0	100	6	77-127/16
75-09-2	Methylene chloride	20	19.2	96	17.6	88	9	67-128/18
78-93-3	Methyl ethyl ketone	80	80.3	100	74.5	93	7	56-155/23
1634-04-4	Methyl Tert Butyl Ether	20	23.2	116	21.0	105	10	73-132/17
91-20-3	Naphthalene	20	23.3	117	22.2	111	5	70-136/20
103-65-1	n-Propylbenzene	20	20.8	104	20.1	101	3	71-127/17
100-42-5	Styrene	20	21.5	108	20.1	101	7	72-134/16
994-05-8	Tert-Amyl Methyl Ether	20	23.4	117	21.2	106	10	73-133/17
75-65-0	Tert-Butyl Alcohol	100	110	110	98.6	99	11	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	20	24.6	123	22.9	115	7	77-130/16
71-55-6	1,1,1-Trichloroethane	20	23.5	118	22.0	110	7	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	21.3	107	20.5	103	4	77-129/17
79-00-5	1,1,2-Trichloroethane	20	20.2	101	18.7	94	8	77-125/16
87-61-6	1,2,3-Trichlorobenzene	20	23.0	115	21.2	106	8	70-133/18
96-18-4	1,2,3-Trichloropropane	20	21.2	106	19.5	98	8	69-126/18
120-82-1	1,2,4-Trichlorobenzene	20	23.7	119	21.8	109	8	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	24.2	121	23.0	115	5	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	24.9	125	23.8	119	5	77-129/17
127-18-4	Tetrachloroethylene	20	20.7	104	19.8	99	4	69-127/20
108-88-3	Toluene	20	21.3	107	20.0	100	6	75-122/17
79-01-6	Trichloroethylene	20	21.8	109	21.1	106	3	78-123/17
75-69-4	Trichlorofluoromethane	20	23.8	119	24.5	123	3	65-136/23
75-01-4	Vinyl chloride	20	23.1	116	23.4	117	1	57-146/22
1330-20-7	Xylene (total)	60	62.6	104	59.0	98	6	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	103%	97%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27909
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ609-BS	Q15178.D	1	06/03/13	TN	n/a	n/a	VQ609
VQ609-BSD	Q15179.D	1	06/03/13	TN	n/a	n/a	VQ609

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

C27909-1, C27909-2, C27909-3, C27909-4, C27909-5, C27909-6, C27909-7, C27909-8, C27909-9

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	103%	101%	70-130%
460-00-4	4-Bromofluorobenzene	107%	103%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27909
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27909-1MS	Q15196.D	1	06/03/13	TN	n/a	n/a	VQ609
C27909-1MSD	Q15197.D	1	06/03/13	TN	n/a	n/a	VQ609
C27909-1	Q15188.D	1	06/03/13	TN	n/a	n/a	VQ609

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

C27909-1, C27909-2, C27909-3, C27909-4, C27909-5, C27909-6, C27909-7, C27909-8, C27909-9

CAS No.	Compound	C27909-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		80	58.6	73	56.8	71	3	38-159/24
71-43-2	Benzene	ND		20	18.5	93	18.5	93	0	77-122/16
108-86-1	Bromobenzene	ND		20	19.7	99	19.7	99	0	76-126/17
74-97-5	Bromochloromethane	ND		20	17.6	88	17.5	88	1	77-130/17
75-27-4	Bromodichloromethane	ND		20	20.3	102	20.1	101	1	75-127/16
75-25-2	Bromoform	ND		20	14.9	75	14.8	74	1	69-141/17
104-51-8	n-Butylbenzene	ND		20	22.8	114	23.0	115	1	72-129/18
135-98-8	sec-Butylbenzene	ND		20	22.2	111	22.5	113	1	74-128/18
98-06-6	tert-Butylbenzene	ND		20	21.9	110	21.4	107	2	73-127/18
108-90-7	Chlorobenzene	ND		20	18.3	92	18.2	91	1	77-122/16
75-00-3	Chloroethane	ND		20	17.8	89	17.6	88	1	69-133/18
67-66-3	Chloroform	2.2		20	22.4	101	21.9	99	2	74-126/17
95-49-8	o-Chlorotoluene	ND		20	18.9	95	19.1	96	1	72-127/20
106-43-4	p-Chlorotoluene	ND		20	20.2	101	20.4	102	1	68-127/18
56-23-5	Carbon tetrachloride	ND		20	27.6	138*	27.9	140*	1	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	18.2	91	18.1	91	1	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	19.6	98	20.1	101	3	66-125/20
563-58-6	1,1-Dichloropropene	ND		20	23.3	117	23.4	117	0	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	ND		20	17.9	90	17.7	89	1	65-131/20
106-93-4	1,2-Dibromoethane	ND		20	19.5	98	19.2	96	2	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	21.3	107	20.7	104	3	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	18.2	91	18.1	91	1	78-124/16
142-28-9	1,3-Dichloropropane	ND		20	18.7	94	18.4	92	2	78-123/16
108-20-3	Di-Isopropyl ether	ND		20	16.1	81	16.1	81	0	68-129/17
594-20-7	2,2-Dichloropropane	ND		20	22.3	112	22.0	110	1	70-131/19
124-48-1	Dibromochloromethane	ND		20	16.8	84	16.7	84	1	76-132/16
75-71-8	Dichlorodifluoromethane	ND		20	32.2	161	33.2	166	3	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	18.5	93	18.3	92	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	18.8	94	18.7	94	1	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	18.7	94	18.8	94	1	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	18.6	93	18.7	94	1	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	19.7	99	19.8	99	1	75-124/16
156-60-5	trans-1,2-Dichloroethylene	ND		20	18.9	95	18.9	95	0	71-126/18
10061-02-6	trans-1,3-Dichloropropene	ND		20	18.9	95	18.8	94	1	71-126/16
100-41-4	Ethylbenzene	ND		20	20.8	104	20.8	104	0	76-126/17
637-92-3	Ethyl Tert Butyl Ether	ND		20	20.1	101	20.0	100	0	75-134/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27909
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27909-1MS	Q15196.D	1	06/03/13	TN	n/a	n/a	VQ609
C27909-1MSD	Q15197.D	1	06/03/13	TN	n/a	n/a	VQ609
C27909-1	Q15188.D	1	06/03/13	TN	n/a	n/a	VQ609

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

C27909-1, C27909-2, C27909-3, C27909-4, C27909-5, C27909-6, C27909-7, C27909-8, C27909-9

CAS No.	Compound	C27909-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND		80	73.4	92	72.3	90	2	67-150/22
87-68-3	Hexachlorobutadiene	ND		20	22.2	111	22.6	113	2	69-135/20
98-82-8	Isopropylbenzene	ND		20	20.9	105	21.1	106	1	61-125/17
99-87-6	p-Isopropyltoluene	ND		20	21.4	107	21.6	108	1	68-127/18
108-10-1	4-Methyl-2-pentanone	ND		80	74.5	93	73.7	92	1	71-142/21
74-83-9	Methyl bromide	ND		20	18.4	92	18.0	90	2	68-132/18
74-87-3	Methyl chloride	ND		20	21.3	107	21.5	108	1	39-150/28
74-95-3	Methylene bromide	ND		20	19.6	98	19.3	97	2	77-127/16
75-09-2	Methylene chloride	ND		20	16.2	81	16.0	80	1	67-128/18
78-93-3	Methyl ethyl ketone	ND		80	61.5	77	60.7	76	1	56-155/23
1634-04-4	Methyl Tert Butyl Ether	ND		20	19.2	96	19.1	96	1	73-132/17
91-20-3	Naphthalene	ND		20	19.8	99	20.0	100	1	70-136/20
103-65-1	n-Propylbenzene	ND		20	20.5	103	20.7	104	1	71-127/17
100-42-5	Styrene	ND		20	12.3	62*	11.5	58*	7	72-134/16
994-05-8	Tert-Amyl Methyl Ether	ND		20	19.3	97	19.2	96	1	73-133/17
75-65-0	Tert-Butyl Alcohol	ND		100	85.5	86	83.3	83	3	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	ND		20	22.8	114	23.0	115	1	77-130/16
71-55-6	1,1,1-Trichloroethane	ND		20	24.0	120	24.1	121	0	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	19.2	96	18.9	95	2	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	18.1	91	18.0	90	1	77-125/16
87-61-6	1,2,3-Trichlorobenzene	ND		20	19.9	100	20.4	102	2	70-133/18
96-18-4	1,2,3-Trichloropropane	ND		20	16.6	83	16.3	82	2	69-126/18
120-82-1	1,2,4-Trichlorobenzene	ND		20	20.9	105	21.2	106	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	17.4	87	16.9	85	3	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	18.2	91	17.8	89	2	77-129/17
127-18-4	Tetrachloroethylene	ND		20	21.0	105	21.4	107	2	69-127/20
108-88-3	Toluene	ND		20	19.3	97	19.4	97	1	75-122/17
79-01-6	Trichloroethylene	15.9		20	39.4	118	39.1	116	1	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	28.4	142*	28.4	142*	0	65-136/23
75-01-4	Vinyl chloride	ND		20	23.6	118	23.9	120	1	57-146/22
1330-20-7	Xylene (total)	ND		60	53.8	90	53.2	89	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C27909-1	Limits
1868-53-7	Dibromofluoromethane	97%	96%	94%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27909
Account: ERMCAI ERM-Irvine
Project: BF Goodrich Superfund Sampling, Rialto

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27909-1MS	Q15196.D	1	06/03/13	TN	n/a	n/a	VQ609
C27909-1MSD	Q15197.D	1	06/03/13	TN	n/a	n/a	VQ609
C27909-1	Q15188.D	1	06/03/13	TN	n/a	n/a	VQ609

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

C27909-1, C27909-2, C27909-3, C27909-4, C27909-5, C27909-6, C27909-7, C27909-8, C27909-9

CAS No.	Surrogate Recoveries	MS	MSD	C27909-1	Limits
2037-26-5	Toluene-D8	100%	101%	98%	70-130%
460-00-4	4-Bromofluorobenzene	106%	104%	103%	70-130%

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

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

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27909
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP5140/GN11026	3.0	0.0	ug/l	25	26.2	104.8	85-115%
Perchlorate	GP5141/GN11027	3.0	0.0	ug/l	25	25.2	100.8	85-115%
Specific Conductivity	GN10932	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP5140: C27909-1, C27909-2, C27909-3, C27909-4, C27909-6, C27909-9
Batch GP5141: C27909-5, C27909-7
Batch GN10932: C27909-1, C27909-2, C27909-3, C27909-4, C27909-5, C27909-6, C27909-7, C27909-9
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27909
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP5140/GN11026	ug/l	25	26.2	0.0	
Perchlorate	GP5141/GN11027	ug/l	25	25.4	0.8	

Associated Samples:
Batch GP5140: C27909-1, C27909-2, C27909-3, C27909-4, C27909-6, C27909-9
Batch GP5141: C27909-5, C27909-7
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27909
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN10932	C27908-11	umhos/cm	390	392	0.5	0-10%

Associated Samples:
Batch GN10932: C27909-1, C27909-2, C27909-3, C27909-4, C27909-5, C27909-6, C27909-7, C27909-9
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27909
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP5140/GN11026	C27909-2	ug/l	18.3	25	43.7	101.6	80-120%
Perchlorate	GP5141/GN11027	C28126-1	ug/l	3.2	25	26.2	92.0	80-120%

Associated Samples:
Batch GP5140: C27909-1, C27909-2, C27909-3, C27909-4, C27909-6, C27909-9
Batch GP5141: C27909-5, C27909-7
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27909
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP5140/GN11026	C27909-2	ug/l	18.3	25	43.5	0.5	15%
Perchlorate	GP5141/GN11027	C28126-1	ug/l	3.2	25	26.7	1.9	15%

Associated Samples:
Batch GP5140: C27909-1, C27909-2, C27909-3, C27909-4, C27909-6, C27909-9
Batch GP5141: C27909-5, C27909-7
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Appendix C

Data Validation Reports

Memorandum

Environmental Resources Management

2875 Michelle Drive
Suite 200
Irvine, CA 92606
(949) 623-4700
(949) 623-4711 (fax)

To: Christopher Berg

From: Irene Lavigne

Date: 21 June 2013

Subject: Data Review of BF Goodrich Superfund Site May 2013 Groundwater Samples Collected 21-24 May 2013

Project Number: 0176992.4.D

Data Packages: Accutest Laboratories Data Packages C27861, C27891, C27908, and C27909

The quality of the data was assessed and any necessary qualifiers were applied following the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* October 1999 and *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* October 2004. Data were also assessed following the guidance of the *Quality Assurance Project Plan (QAPP), Source Area Operable Unit, B.F. Goodrich Superfund Site*, May 2013 .

HOLDING TIME AND PRESERVATION EVALUATION

The samples were prepared and analyzed within the method-prescribed time period from the date of collection. The sample shipments were received at the laboratory within the method-prescribed temperature preservation requirements. None of the data were qualified based on holding time or temperature preservation exceedances.

BLANK EVALUATION

The method blank, field blank, equipment blank, and trip blank sample results were nondetected for each of the target analytes with several exceptions. Sample data associated with the blank detections did not require qualification because the samples were either nondetected for the corresponding compounds or the sample results exceeded 10 times the blank concentration. The blank detections are presented in Table 1.

BLANK SPIKE EVALUATION

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries were within the laboratory's limits of acceptance. No sample data were qualified based on the blank spike evaluation. The LCS recoveries indicate acceptable laboratory accuracy and precision.

MATRIX SPIKE EVALUATION

The matrix spike (MS) and matrix spike duplicate (MSD) recoveries were within the laboratory's limits of acceptance with limited exceptions. No sample data were qualified based on the MS outliers. Data were not qualified if the spike sample was prepared using a non-client sample, if only one recovery in a MS/MSD pair exceeded control limits, or if the data could be verified based on an associated, in-control LCS recovery. The outlying MS recoveries are presented in Table 2.

SURROGATE EVALUATION

The surrogate recoveries were within acceptable limits with one exception. The detected results for one sample submitted for total petroleum hydrocarbons analysis was qualified as estimated (J) due to a surrogate recovery that was below the minimum acceptable limit. The surrogate recovery outlier is shown in Table 3.

FIELD DUPLICATE EVALUATION

Four samples were collected and submitted in duplicate. ERM calculated the relative percent difference (RPD) between duplicates with detected results. The USEPA has not established control criteria for field duplicate samples; therefore, sample data are not qualified on the basis of field duplicate imprecision. A list of field duplicate detections and calculated RPDs is provided in Table 4.

CONTINUING CALIBRATION EVALUATION

The laboratory noted that continuing calibration verification (CCV) recoveries for a number of volatile organic compounds did not meet acceptable control limits. A high recovery for carbon tetrachloride resulted in qualification of one sample result for this compound as estimated (J). Additional recoveries that exceeded the maximum acceptable limits for various compounds did not require qualification of associated sample data. Data were not qualified if the recovery was biased high and the sample results were nondetected for the corresponding compounds. The outlying CCV recoveries are presented in Table 5.

SERIAL DILUTION EVALUATION

Serial dilution of samples determines whether or not significant physical or chemical interferences are present due to sample matrix. Several serial dilutions performed for metals analyses had percent differences that exceeded the upper control limits. No sample data were qualified on the basis of these exceedances because the serial dilution samples were prepared using non-client samples. The percent difference outliers are listed in Table 6.

OVERALL ASSESSMENT

No data were determined to be unusable. All of the data, including qualified data, can be used for decision-making purposes; however, the limitations indicated by the applied qualifiers should be considered when using the data. The quality of the data generated during this investigation is acceptable for the preparation of technically-defensible documents.

Table 1
Blank and Associated Suspect Sample Detections
May 2013 Groundwater Sampling
BF Goodrich Superfund Site
Rialto, California

Lab Package	Blank ID	Associated Samples	Detected Compound	Reported Concentration	Report Limit	Units	ERM Qualifier
C27861	VR634-MB	NA	1,2,3-Trichlorobenzene	0.20	2.0	µg/L	--
C27891	22052013FB-2	NA	Acetone	5.3	20	µg/L	--
C27891	22052013EB-2	NA	Acetone	5.5	20	µg/L	--
C27908	23052013FB-3	NA	Acetone	4.8	20	µg/L	--
C27908	23052013EB-3	NA	Acetone	6.4	20	µg/L	--
C27909	24052013FB-4	NA	Specific conductivity	1.8	1.0	umhos/cm	--

Data packages reviewed: C27861, C27891, C27908, C27909

Key:
MB = Method blank
FB = Field blank
EB = Equipment blank
NA = Not applicable; associated sample data not affected
µg/L = Micrograms per liter
umhos/cm = Micromhos per centimeter

Table 2
Matrix Spike Recoveries Outside of Acceptable Limits
May 2013 Groundwater Sampling
BF Goodrich Superfund Site
Rialto, California

Lab Package	Spike Sample ID	Associated Sample	Compound	Recovery (%)	Limit (%)	RPD	RPD Limit	Sample Result	ERM Qualifier
C27861	Batch MS/MSD	NA	Trichloroethylene	117/67	78-123	15	17	--	--
C27891	Batch MS/MSD	NA	tert-butyl Alcohol	200/136	60-149	8	26	--	--
C27891	EPA-MP4E-22/04/2013 MS/MSD	NA	Dichlorodifluoromethane	169/163	32-168	4	28	--	--
C27891	EPA-MP4E-22/04/2013 MS/MSD	NA	Trichlorofluoromethane	140/133	65-136	5	23	--	--
C27908	Batch MS/MSD	NA	Bromoform	67/69	69-141	3	17	--	--
C27908	Batch MS/MSD	NA	Toluene	50/52	75-122	1	17	--	--
C27909	PW-3-490-GW-24/05/2013 MS/MSD	NA	Carbon tetrachloride	138/140	71-133	1	19	--	--
C27909	PW-3-490-GW-24/05/2013 MS/MSD	NA	Styrene	62/58	72-134	7	16	--	--
C27909	PW-3-490-GW-24/05/2013 MS/MSD	NA	Trichlorofluoromethane	142/142	65-136	0	23	--	--

Data packages reviewed: C27861, C27891, C27908, C27909

Key:
RPD = Relative percent difference
MS/MSD = Matrix spike/matrix spike duplicate
Batch = Spike sample prepared using non-client sample
NA = Not applicable; associated samples not qualified

Table 3
Surrogate Recovery Results Outside of Acceptable Limits
May 2013 Groundwater Sampling
BF Goodrich Superfund Site
Rialto, California

Lab Package	Sample ID	Method	Surrogate	Recovery (%)	Limit (%)	ERM Qualifier
C27909	DECON-IDW-24/05/2013	TPH	Hexacosane	22	32-124	J

Data packages reviewed: C27861, C27891, C27908, C27909

Key:
TPH = Total petroleum hydrocarbons; Method 8015B
J = Detected sample result qualified as estimated

Table 4
Field Duplicate Results and Calculated Relative Percent Differences
May 2013 Groundwater Sampling
BF Goodrich Superfund Site
Rialto, California

Lab Package	Sample=Duplicate ID	Compound	Concentration Sample	Concentration Duplicate	Report Limit	Units	RPD
C27861	PW-6E-GW-21/05/2013=21052013D-1	Specific conductivity	285	275	1.0	umhos/cm	3.6
C27891	EPA-MP4E-GW-22/05/2013=22052013D-2	Specific conductivity	303	310	1.0	umhos/cm	2.3
C27891	EPA-MP4D-GW-22/05/2013=22052013D-3	Trichloroethylene	4.3	6.0	1.0	µg/L	33
C27891	EPA-MP4D-GW-22/05/2013=22052013D-3	Perchlorate	5.5	5.4	3.0	µg/L	1.8
C27891	EPA-MP4D-GW-22/05/2013=22052013D-3	Specific conductivity	470	470	1.0	umhos/cm	0
C27908	PW-7C-23/05/2013=23042013D-3	Trichloroethylene	0.66	0.65	1.0	µg/L	1.5
C27908	PW-7C-23/05/2013=23042013D-3	Specific conductivity	473	467	1.0	umhos/cm	1.3

Data packages reviewed: C27861, C27891, C27908, C27909

Key:
RPD = Relative percent difference
umhos/cm = Micromhos per centimeter
µg/L = Micrograms per liter

Table 5
Calibration Verification Recoveries Outside of Acceptable Limits
May 2013 Groundwater Sampling
BF Goodrich Superfund Site
Rialto, California

Lab Package	Sample ID	Compound	CCV Recovery	Reported Concentration	Units	ERM Qualifier
C27861	PW-6E-GW-21/05/2013	Carbon tetrachloride	High	< 1.0	µg/L	--
C27861	PW-6E-GW-21/05/2013	Dichlorodifluoromethane	High	< 1.0	µg/L	--
C27861	PW-6E-GW-21/05/2013	1,3,5-Trimethylbenzene	High	< 2.0	µg/L	--
C27861	21052013D-1	Carbon tetrachloride	High	< 1.0	µg/L	--
C27861	21052013D-1	Dichlorodifluoromethane	High	< 1.0	µg/L	--
C27861	21052013D-1	1,3,5-Trimethylbenzene	High	< 2.0	µg/L	--
C27861	PW-6B-GW-21/05/2013	Carbon tetrachloride	High	< 1.0	µg/L	--
C27861	PW-6B-GW-21/05/2013	Dichlorodifluoromethane	High	< 1.0	µg/L	--
C27861	PW-6A-GW-21/05/2013	Carbon tetrachloride	High	< 1.0	µg/L	--
C27861	PW-6A-GW-21/05/2013	Dichlorodifluoromethane	High	< 1.0	µg/L	--
C27861	PW-5E-GW-21/05/2013	Carbon tetrachloride	High	< 1.0	µg/L	--
C27861	PW-5E-GW-21/05/2013	Dichlorodifluoromethane	High	< 1.0	µg/L	--
C27861	PW-5D-GW-21/05/2013	Carbon tetrachloride	High	< 1.0	µg/L	--
C27861	PW-5D-GW-21/05/2013	Dichlorodifluoromethane	High	< 1.0	µg/L	--
C27861	PW-5C-GW-21/05/2013	Carbon tetrachloride	High	< 1.0	µg/L	--
C27861	PW-5C-GW-21/05/2013	Dichlorodifluoromethane	High	< 1.0	µg/L	--
C27908	PW-8E-6W-23/05/2013	Carbon tetrachloride	High	< 1.0	µg/L	--
C27908	PW-8E-6W-23/05/2013	Dichlorodifluoromethane	High	< 1.0	µg/L	--
C27908	PW-8E-6W-23/05/2013	Trichlorofluoromethane	High	< 1.0	µg/L	--
C27908	PW-8D-6W-23/05/2013	Carbon tetrachloride	High	< 1.0	µg/L	--
C27908	PW-8D-6W-23/05/2013	Dichlorodifluoromethane	High	< 1.0	µg/L	--
C27908	PW-8D-6W-23/05/2013	Trichlorofluoromethane	High	< 1.0	µg/L	--
C27908	PW-8C-6W-23/05/2013	Carbon tetrachloride	High	< 1.0	µg/L	--
C27908	PW-8C-6W-23/05/2013	Dichlorodifluoromethane	High	< 1.0	µg/L	--
C27908	PW-8C-6W-23/05/2013	Trichlorofluoromethane	High	< 1.0	µg/L	--
C27908	PW-8B-6W-23/05/2013	Carbon tetrachloride	High	< 1.0	µg/L	--

Table 5
Calibration Verification Recoveries Outside of Acceptable Limits
May 2013 Groundwater Sampling
BF Goodrich Superfund Site
Rialto, California

Lab Package	Sample ID	Compound	CCV Recovery	Reported Concentration	Units	ERM Qualifier
C27908	PW-8B-6W-23/05/2013	Dichlorodifluoromethane	High	< 1.0	µg/L	--
C27908	PW-8B-6W-23/05/2013	Trichlorofluoromethane	High	< 1.0	µg/L	--
C27908	PW-8A-6W-23/05/2013	Carbon tetrachloride	High	0.20	µg/L	J
C27908	PW-8A-6W-23/05/2013	Dichlorodifluoromethane	High	< 1.0	µg/L	--
C27908	PW-8A-6W-23/05/2013	Trichlorofluoromethane	High	< 1.0	µg/L	--
C27909	PW-3-490-GW-24/05/2013	2,2-Dichloropropane	High	< 1.0	µg/L	--
C27909	PW-3-490-GW-24/05/2013	Dichlorodifluoromethane	High	< 1.0	µg/L	--
C27909	PW-3-490-GW-24/05/2013	1,3,5-Trimethylbenzene	High	< 2.0	µg/L	--
C27909	PW-4-490-GW-24/05/2013	2,2-Dichloropropane	High	< 1.0	µg/L	--
C27909	PW-4-490-GW-24/05/2013	Dichlorodifluoromethane	High	< 1.0	µg/L	--
C27909	PW-4-490-GW-24/05/2013	1,3,5-Trimethylbenzene	High	< 2.0	µg/L	--
C27909	EPA-MP-9A-535-GW-24/05/2013	2,2-Dichloropropane	High	< 1.0	µg/L	--
C27909	EPA-MP-9A-535-GW-24/05/2013	Dichlorodifluoromethane	High	< 1.0	µg/L	--
C27909	EPA-MP-9A-535-GW-24/05/2013	1,3,5-Trimethylbenzene	High	< 2.0	µg/L	--
C27909	EPA-MMP-9B-725-GW-24/05/2013	2,2-Dichloropropane	High	< 1.0	µg/L	--
C27909	EPA-MMP-9B-725-GW-24/05/2013	Dichlorodifluoromethane	High	< 1.0	µg/L	--
C27909	EPA-MMP-9B-725-GW-24/05/2013	1,3,5-Trimethylbenzene	High	< 2.0	µg/L	--
C27909	IN-5W-34D35-600-GW-24/05/2013	2,2-Dichloropropane	High	< 1.0	µg/L	--
C27909	IN-5W-34D35-600-GW-24/05/2013	Dichlorodifluoromethane	High	< 1.0	µg/L	--
C27909	IN-5W-34D35-600-GW-24/05/2013	1,3,5-Trimethylbenzene	High	< 2.0	µg/L	--
C27909	IN-5W-34D25-770-GW-24/05/2013	2,2-Dichloropropane	High	< 1.0	µg/L	--
C27909	IN-5W-34D25-770-GW-24/05/2013	Dichlorodifluoromethane	High	< 1.0	µg/L	--
C27909	IN-5W-34D25-770-GW-24/05/2013	1,3,5-Trimethylbenzene	High	< 2.0	µg/L	--
C27909	PW-2-475-GW-24/05/2013	2,2-Dichloropropane	High	< 1.0	µg/L	--
C27909	PW-2-475-GW-24/05/2013	Dichlorodifluoromethane	High	< 1.0	µg/L	--

Table 5
Calibration Verification Recoveries Outside of Acceptable Limits
May 2013 Groundwater Sampling
BF Goodrich Superfund Site
Rialto, California

Lab Package	Sample ID	Compound	CCV Recovery	Reported Concentration	Units	ERM Qualifier
C27909	PW-2-475-GW-24/05/2013	1,3,5-Trimethylbenzene	High	< 2.0	µg/L	--

Data packages reviewed: C27861, C27891, C27908, C27909

Key:
CCV = Continuing calibration verification
High = CCV exceeded maximum acceptable limit
µg/L = Micrograms per liter
J = Detected sample result qualified as estimated

Table 6
Serial Dilution Percent Difference Outside of Acceptable Limits
May 2013 Groundwater Sampling
BF Goodrich Superfund Site
Rialto, California

Lab Package	Parent Sample ID	Associated Sample	Compound	%D	Limit	ERM Qualifier
C27909	Batch SD	NA	Barium	20.6	10	--
C27909	Batch SD	NA	Cadmium	100	10	--
C27909	Batch SD	NA	Lead	100	10	--
C27909	Batch SD	NA	Molybdenum	11.3	10	--
C27909	Batch SD	NA	Vanadium	100	10	--

Data packages reviewed: C27861, C27891, C27908, C27909

Key:
%D = percent difference
Batch = Dilution sample prepared using non-client sample
SD = Serial dilution
NA = Not applicable; associated sample data not affected

Appendix D

Remedial Design Investigation Report Comments and Responses

Heather Balfour

From: Praskins, Wayne <Praskins.Wayne@epa.gov>
Sent: Tuesday, August 27, 2013 4:50 PM
To: Heather Balfour; Truong Mai
Cc: David.Towell@ch2m.com
Subject: BF Goodrich Superfund Site, SAOU - EPA comments on the draft Remedial Design Investigation Report

Heather and Truong -

We have the reviewed the draft Remedial Investigation Report, submitted to EPA on July 16, 2013. Please provide a written response to the following comments by September 11, 2013. Let me know if you would like to discuss the comments before providing a written response.

Comment #1. Pg. 7, Sec. 3.1, 2nd bullet: The text lists a number of wells that are included in the SAP for water level monitoring, but were not monitored. Please explain why the wells were not monitored.

Comment #2. Pg. 8, 1st Par.: The text claims that the direction of flow and the horizontal hydraulic gradients were consistent between the Intermediate and Regional Aquifers and were generally consistent with historical trends. A review of the potentiometric surface maps (Figures 3 and 4) does not support this statement. The flow directions and gradients are quite different between the Intermediate and Regional Aquifers, and the Regional Aquifer contour map has too few contours to assess whether it is consistent with historical trends. Please explain the basis for the interpretation of Regional Aquifer flow conditions provided in the report.

Comment #3. Pg. 9, Sec. 4.0: This section is titled "Future Investigation Activities"; however, it does not state whether future monitoring of existing groundwater wells is planned (other than CMW-02). Please confirm that groundwater monitoring will occur annually, as described in the approved SAP.

Comment #4. Figure 4: This potentiometric surface map should be revised to address the following concerns:

- The posted water level for well M5 appears to be incorrect;
- The mound shown around the N17 monitoring well should be removed unless additional explanation is provided supporting is existence;
- Please explain the basis for the orientation of the 980' contour. It may be appropriate to shorten and/or further qualify the contour by extending the dashed portion and/or adding question marks;
- Consideration should be given to adding a 975' contour to provide additional information on potential flow directions and gradients in the regional aquifer.

Wayne Praskins | Superfund Project Manager
U.S. Environmental Protection Agency Region 9
75 Hawthorne St. (SFD-7-3)
San Francisco, CA 94105
415-972-3181

Response to 27 August 2013 USEPA Comments
"Remedial Design Investigation Report" submitted
16 July 2013
Prepared for Emhart Industries by ERM-West, Inc. (ERM)

COMMENTS

No.	Location	Comment
#1	Pg. 7, Section 3.1, 2nd Bullet	**Comment:** The text lists a number of wells that are included in the SAP for water level monitoring, but were not monitored. Please explain why the wells were not monitored.
		Response: As stated in the Remedial Design Investigation Report, GLA agreed to collect water level data from the County Remedy wells and provide that data to ERM. However, during preparation of the Remedial Design Investigation Report, GLA did not provide water level data for the following wells: Rialto 3, Miro-2, Miro-3, M-6 Zone 4, M-6 Zone 5, M-6 Zone 6, M-6 Zone 7, N-6-Deep, N-8-Deep, N-9-Shallow, N-9-Deep, and N-14-Shallow. When, in response to this comment, ERM asked GLA why this data was not provided, GLA provided the following explanations: - Water elevations are not collected from the active extraction well, Rialto-3; - Miro-2 and Miro-3 were monitored, but the data was not provided. GLA has since provided the data; - Well M-6, Zones 4 through 7, was not gauged due to an obstruction within the well. The obstruction has been removed and this well will be monitored in the future; and - N-6-Deep, N-8-Deep, N-9-Shallow, N-9-Deep, and N-14-Shallow were gauged, but were dry. The attached Tables 1 and 2 have been updated to reflect this additional information obtained from GLA.
#2.	Pg. 8, 1st Paragraph	**Comment:** The text claims that the direction of flow and the horizontal hydraulic gradients were consistent between the Intermediate and Regional Aquifers and were generally consistent with historical trends. A review of the potentiometric surface maps (Figures 3 and 4) does not support this statement. The flow directions and gradients are quite different between the Intermediate and Regional Aquifers, and the Regional Aquifer contour map has too few contours to assess whether it is consistent with historical trends. Please explain the basis for the interpretation of Regional Aquifer flow conditions provided in the report.
		Response: The text was not intended to imply that the groundwater flow directions and horizontal gradients for the Intermediate and Regional Aquifers were similar to each other. Rather, the flow direction and gradient in the Intermediate Aquifer is consistent with earlier data for this aquifer. We agree the Regional Aquifer data is spatially limited and, in part, relies on averaging values from multiport zones completed within the Regional Aquifer; however, it does show a relatively flatter gradient and general flow to the southeast, consistent with historical results.

No.	Location	Comment
#3	Pg. 9, Section 4.0	**Comment**: This section is titled "Future Investigation Activities"; however, it does not state whether future monitoring of existing groundwater wells is planned (other than CMW-02). Please confirm that groundwater monitoring will occur annually, as described in the approved SAP. **Response:** As stated in the approved Sampling and Analysis Plan (SAP), groundwater monitoring will occur annually with the next monitoring event scheduled for 2014. The timing of this monitoring event will be coordinated with the County to coincide with the monitoring of County Remedy wells to provide a full picture of the Combined Capture area. The data quality objectives (DQOs) and scope (i.e., number of wells for water level measurements and water quality sampling) of future monitoring will be re-assessed and modified if warranted following completion of each monitoring event.
#4.	Figure 4	**Comment:** Figure 4: This potentiometric surface map should be revised to address the following concerns: - The posted water level for well M5 appears to be incorrect; - The mound shown around the N17 monitoring well should be removed unless additional explanation is provided supporting is existence; - Please explain the basis for the orientation of the 980′ contour. It may be appropriate to shorten and/or further qualify the contour by extending the dashed portion and/or adding question marks; - Consideration should be given to adding a 975′ contour to provide additional information on potential flow directions and gradients in the regional aquifer. **Response:** Please see the attached revised Figure 4 with the following changes: - Emhart revised the groundwater elevation value at M-5 to reflect the groundwater elevation provided on Table 2 (974.41 feet mean sea level). - The elevation at N-17 appears anomalous and was not used in the contouring. - The elevations for Miro-2 and Miro-3 were added. - GLA indicated that the elevation from M-2 Zone 1 appears anomalous. Accordingly, this elevation was not used in contouring shown in the revised Figure 4. - The 980-foot contour was revised so it does not extend as a solid line beyond the well control locations and is now dashed outside of these limits. Likewise, the 970-foot contour interval is now dashed just west of well N-18. - Emhart added a 975-foot contour line. Note that including a hydrogeologically reasonable 975-foot contour line requires that certain data points are not honored.

Table 1 Well Groundwater Elevations - Conventional Wells
Source Area Operable Unit - B.F. Goodrich Superfund Site

Location Name	Well	Aquifer	Measurement Date	Top of Casing Elevation (ft MSL)	Depth to Water (ft BTOC)	Groundwater Elevation (ft MSL)	Water Level Source	Comment
F-3	F3-S	Regional	13-May-13	1582.87	DRY	NA	County	
F-6	F6-S	Intermediate	13-May-13	1577.13	401.31	1175.82	County	
F-6A	F6A-D	Intermediate	13-May-13	1577.56	457.10	1120.46	County	Well value not used for contouring purposes
F-6A	F6A-S	Intermediate	13-May-13	1577.80	400.28	1177.52	County	
M-1	M1-D	Regional	13-May-13	1431.32	461.38	969.94	County	
M-1	M1-S	Regional	13-May-13	1431.42	DRY	NA	County	Well value not used for contouring purposes
M-4	M4-D	Regional	13-May-13	1408.46	439.33	969.13	County	Average value of M-4 screen intervals (969.66) used for contouring
M-4	M4-S	Regional	13-May-13	1408.55	438.37	970.18	County	
N-1	N1-D	Aquitard	13-May-13	1569.74	493.56	1076.18	County	Well value not used for contouring purposes
N-1	N1-S	Intermediate	13-May-13	1569.73	416.32	1153.41	County	
N-2	N2-D	Intermediate	13-May-13	1619.16	433.53	1185.63	County	Average value of N2-D and N2-S (1,186.79) used for contouring
N-2	N2-S	Intermediate	13-May-13	1619.13	431.18	1187.95	County	
N-3	N3-D	Regional	13-May-13	1577.31	DRY	NA	County	
N-3	N3-S	Intermediate	13-May-13	1577.28	408.57	1168.71	County	
N-4	N4-D	Regional	13-May-13	1647.10	DRY	NA	County	
N-4	N4-S	Intermediate	13-May-13	1647.10	424.03	1223.07	County	
N-5	N5-S	Intermediate	13-May-13	1593.61	408.68	1184.93	County	
N-6	N6-S	Intermediate	13-May-13	1538.92	409.34	1129.58	County	
N-6	N6-D	Regional	13-May-13	1538.91	DRY	NA	County	
N-7	N7-S	Intermediate	13-May-13	1541.26	379.57	1161.69	County	
N-8	N8-S	Intermediate	13-May-13	1544.28	396.73	1147.55	County	
N-8	N8-D	Regional	13-May-13	1544.28	DRY	NA	County	
N-9	N9-S	Intermediate	13-May-13	1514.92	DRY	NA	County	
N-9	N9-D	Regional	13-May-13	1514.92	DRY	NA	County	
N-10	N10-D	Regional	13-May-13	1484.20	508.58	975.62	County	
N-10	N10-S	Intermediate	13-May-13	1484.20	399.32	1084.88	County	
N-11	N11-D	Regional	13-May-13	1460.35	487.39	972.96	County	
N-11	N11-S	Intermediate	13-May-13	1460.26	388.36	1071.90	County	
N-12	N12-S	Intermediate	13-May-13	1515.03	392.47	1122.56	County	
N-13	N13-D	Regional	13-May-13	1470.45	498.71	971.74	County	
N-13	N13-S	Intermediate	13-May-13	1470.70	373.98	1096.72	County	
N-14	N14-D	Regional	13-May-13	1419.85	452.06	967.79	County	
N-14	N14-S	Regional	13-May-13	1420.00	DRY	NA	County	Well value not used for contouring purposes
N-15	N15-D	Regional	13-May-13	1374.24	406.59	967.65	County	
N-16	N16-B	Intermediate	13-May-13	1530.74	371.75	1158.99	County	
N-16	N16-C1	Regional	13-May-13	1525.87	372.81	1153.06	County	Well value not used for contouring purposes
N-16	N16-C2	Regional	13-May-13	1523.87	372.69	1151.18	County	Well value not used for contouring purposes
N-17	N17-B	Intermediate	13-May-13	1454.20	349.68	1104.52	County	
N-17	N17-C1	Aquitard	13-May-13	1449.67	361.50	1088.17	County	Well value not used for contouring purposes
N-17	N17-C2	Regional	13-May-13	1454.06	458.75	995.31	County	
N-18	N18-B	Intermediate	13-May-13	1425.26	345.40	1079.86	County	
N-18	N18-C1	Regional	13-May-13	1425.32	343.60	1081.72	County	Well value not used for contouring purposes
N-18	N18-C2	Regional	13-May-13	1425.29	454.71	970.58	County	
N-19r	N19r-B	Intermediate	13-May-13	1580.35	400.33	1180.02	County	
N-19r	N19r-C1	Regional	13-May-13	1580.29	599.17	981.12	County	
N-19r	N19r-C2	Regional	13-May-13	1580.24	598.90	981.34	County	
S-2	S2-S	Intermediate	13-May-13	1511.61	306.93	1204.68	County	
1N5W-34D	1N5W-34D2S	Regional	20-May-13	1463.00	493.34	969.66	Emhart	Well value not used for contouring purposes
1N5W-34D	1N5W-34D3S	Regional	20-May-13	1463.00	493.25	969.75	Emhart	Well value not used for contouring purposes
CMW-02	CMW-02A	Intermediate	20-May-13	1655.68	444.16	1211.52	Emhart	Average value of CMW-02A and CMW-02B (1,208.56) used for contouring
CMW-02	CMW-02B	Intermediate	20-May-13	1655.68	450.09	1205.59	Emhart	
CMW-02	CMW-02C	Aquitard	20-May-13	1655.68	457.44	1198.24	Emhart	Well value not used for contouring purposes
RIALTO-1	RIALTO-1	Regional	20-May-13	1535.00	559.87	975.13	Emhart	
RIALTO-2	RIALTO-2	Regional	20-May-13	1508.00	477.34	1030.66	Emhart	Well value not used for contouring purposes
RIALTO-3	RIALTO-3	Regional	NA	1417.00	NM	NM	Emhart	Active extraction well
Miro-2	Miro-2	Regional	13-May-13	1419.11	450.66	968.45	County	
Miro-3	Miro-3	Regional	13-May-13	1415.01	447.05	967.96	County	
TW-1	TW-1	Intermediate	20-May-13	1644.13	429.30	1214.83	Emhart	
EPA-MW9	EPA-MW9A	Regional	20-May-13	1448.73	473.72	975.01	Emhart	Average value of EPA-MW9A and EPA-MW9B (974.88) used for contouring
EPA-MW9	EPA-MW9B	Regional	20-May-13	1448.63	473.88	974.75	Emhart	
PW-1	PW-1	Intermediate	20-May-13	1704.48	429.11	1275.37	Emhart	
PW-2	PW-2	Intermediate	20-May-13	1639.36	439.52	1199.84	Emhart	
PW-2	PW-2A	Regional	20-May-13	1639.58	DRY	NA	Emhart	
PW-3	PW-3	Intermediate	20-May-13	1611.81	432.22	1179.59	Emhart	
PW-3	PW-3A	Regional	20-May-13	1611.81	DRY	NA	Emhart	
PW-4	PW-4	Intermediate	20-May-13	1626.56	448.00	1178.56	Emhart	
PW-4	PW-4A	Regional	20-May-13	1626.56	644.70	981.86	Emhart	

Notes:
County = County of San Bernardino
Emhart = Emhart Industries, Inc.

Abbreviations:
BTOC = Below top of casing
ft = Feet
MSL = Mean sea level
NA = Not available
NM = Not measured

Table 2 Well Groundwater Elevations - Westbay Multiport Wells
Source Area Operable Unit - B.F. Goodrich Superfund Site

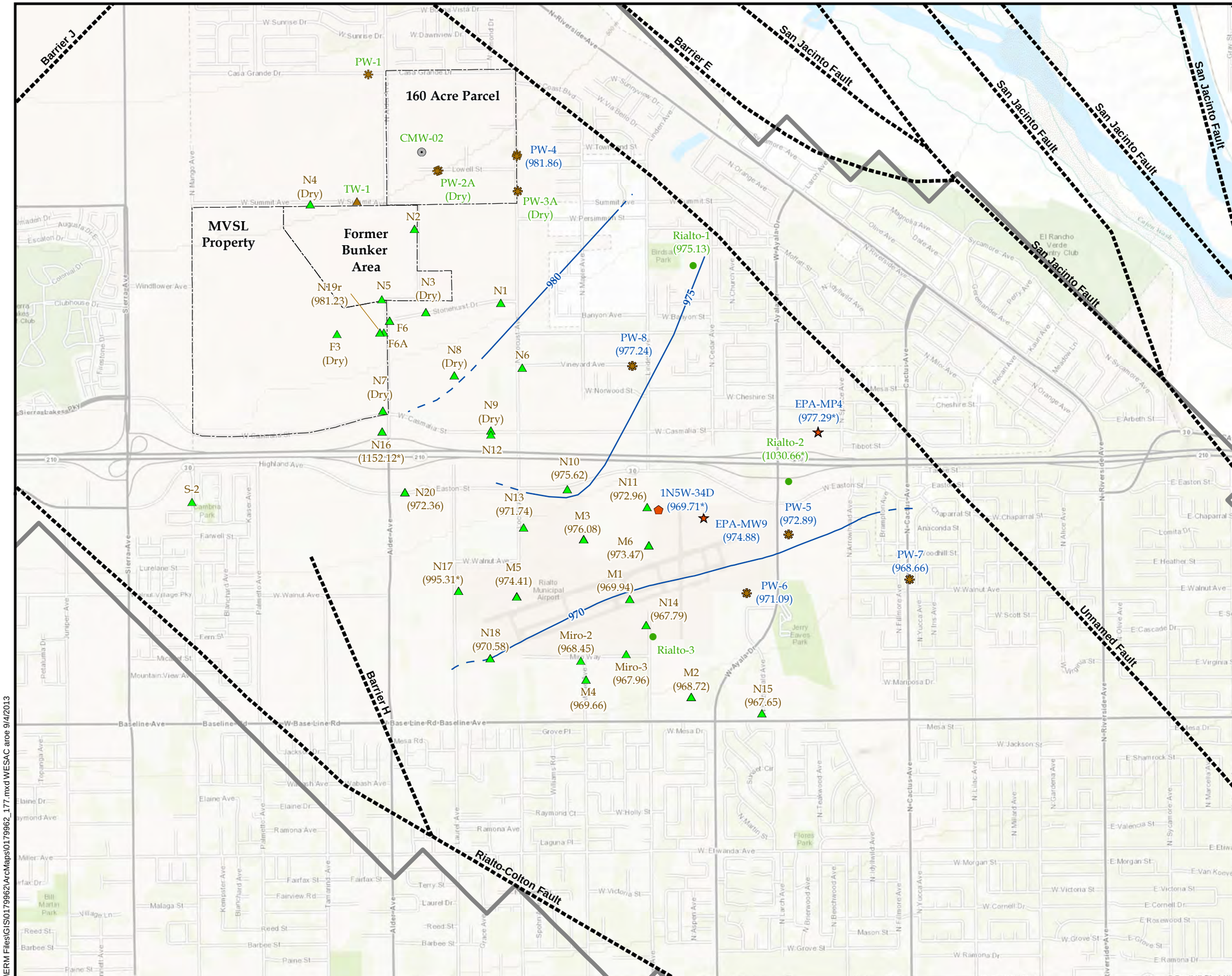
Location Name	Well	Aquifer	Measurement Date	Top of Casing Elevation (ft MSL)	Depth of Westbay Sampling Port (ft)	Atmospheric Pressure (psi)	Sampling Zone Pressure (psi)	Groundwater Elevation (ft MSL)(1)	Water Level Source	Comment
M-2	M2-1	Regional	14-May-13	1389.28	409.30	13.95	14.09	980.30	County	Well value not used for contouring purposes
M-2	M2-2	Regional	14-May-13	1389.28	454.30	13.95	28.74	969.10	County	Average value of M2 screen intervals (968.72) used for contouring
M-2	M2-3	Regional	14-May-13	1389.28	509.30	13.95	52.43	968.75	County	
M-2	M2-4	Regional	14-May-13	1389.28	534.30	13.94	63.28	968.81	County	
M-2	M2-5	Regional	14-May-13	1389.28	584.30	13.94	84.89	968.66	County	
M-2	M2-6	Regional	14-May-13	1389.28	639.30	13.93	108.67	968.55	County	
M-2	M2-7	Regional	14-May-13	1389.28	679.30	13.93	125.96	968.43	County	
M-3	M3-1	Regional	13-May-13	1464.24	496.53	13.89	18.34	977.98	County	Average value of M3 screen intervals (976.08) used for contouring
M-3	M3-2	Regional	13-May-13	1464.24	526.53	13.89	31.27	977.81	County	
M-3	M3-3	Regional	13-May-13	1464.24	556.53	13.89	43.28	975.51	County	
M-3	M3-4	Regional	13-May-13	1464.24	576.53	13.89	51.93	975.47	County	
M-3	M3-5	Regional	13-May-13	1464.24	616.53	13.89	69.23	975.38	County	
M-3	M3-6	Regional	13-May-13	1464.24	631.53	13.89	75.71	975.33	County	
M-3	M3-7	Regional	13-May-13	1464.24	666.53	13.89	90.78	975.10	County	
M-5	M5-1	Intermediate	14-May-13	1438.98	368.00	13.94	23.80	1093.73	County	
M-5	M5-2	Regional	14-May-13	1438.98	473.00	13.94	18.09	975.55	County	Average value of M5 Regional Aquifer screen intervals (974.41) used for contouring
M-5	M5-3	Regional	14-May-13	1438.98	528.00	13.94	41.45	974.45	County	
M-5	M5-4	Regional	14-May-13	1438.98	573.00	13.94	60.92	974.36	County	
M-5	M5-5	Regional	14-May-13	1438.98	638.00	13.93	89.02	974.21	County	
M-5	M5-6	Regional	14-May-13	1438.98	678.00	13.93	106.27	974.01	County	
M-5	M5-7	Regional	14-May-13	1438.98	723.00	13.93	125.71	973.86	County	
M-6	M6-1	Intermediate	13-May-13	1447.34	392.00	13.93	17.38	1063.30	County	
M-6	M6-2	Regional	13-May-13	1447.34	482.00	13.90	17.68	974.06	County	Average value of M6 Regional Aquifer screen intervals (973.47) used for contouring
M-6	M6-3	Regional	13-May-13	1447.34	543.00	13.88	43.59	972.88	County	
M-6	M6-4	Regional	NA	1447.34	NM	NM	NM	NM	NA	Obstruction within the well
M-6	M6-5	Regional	NA	1447.34	NM	NM	NM	NM	NA	Obstruction within the well
M-6	M6-6	Regional	NA	1447.34	NM	NM	NM	NM	NA	Obstruction within the well
M-6	M6-7	Regional	NA	1447.34	NM	NM	NM	NM	NA	Obstruction within the well
N-20	N20-1	Intermediate	14-May-13	1501.57	387.00	13.90	25.58	1141.52	County	Well value not used for contouring purposes
N-20	N20-2	Intermediate	14-May-13	1501.57	442.00	13.90	13.92	1059.62	County	
N-20	N20-3	Regional	14-May-13	1501.57	582.00	13.89	36.88	972.61	County	Average value of N20 screen intervals (972.36) used for contouring
N-20	N20-4	Regional	14-May-13	1501.57	627.00	13.89	56.31	972.43	County	
N-20	N20-5	Regional	14-May-13	1501.57	672.00	13.88	75.76	972.33	County	
N-20	N20-6	Regional	14-May-13	1501.57	717.00	13.88	95.16	972.08	County	
EPA-MP4	EPA-MP4A	Intermediate	22-May-13	1457.82	413.00	13.73	18.61	1056.08	Emhart	
EPA-MP4	EPA-MP4B	Regional	22-May-13	1457.82	507.00	13.73	25.33	977.58	Emhart	Average value of EPA-MP4 Regional Aquifer screen intervals (977.29) used for contouring
EPA-MP4	EPA-MP4C	Regional	22-May-13	1457.82	586.00	13.73	59.50	977.41	Emhart	
EPA-MP4	EPA-MP4D	Regional	22-May-13	1457.82	641.00	13.73	83.28	977.27	Emhart	
EPA-MP4	EPA-MP4E	Regional	22-May-13	1457.82	753.00	13.73	131.66	976.88	Emhart	

Table 2 Well Groundwater Elevations - Westbay Multiport Wells
Source Area Operable Unit - B.F. Goodrich Superfund Site

Location Name	Well	Aquifer	Measurement Date	Top of Casing Elevation (ft MSL)	Depth of Westbay Sampling Port (ft)	Atmospheric Pressure (psi)	Sampling Zone Pressure (psi)	Groundwater Elevation (ft MSL)(1)	Water Level Source	Comment
PW-5	PW-5A	Regional	21-May-13	1423.64	467.00	13.79	20.60	972.35	Emhart	Average value of PW-5 Regional Aquifer screen intervals (972.89) used for contouring
PW-5	PW-5B	Regional	21-May-13	1423.64	512.00	13.79	40.15	972.45	Emhart	
PW-5	PW-5C	Regional	21-May-13	1423.64	557.00	13.79	59.60	972.32	Emhart	
PW-5	PW-5D	Regional	21-May-13	1423.64	614.00	13.79	85.63	975.37	Emhart	
PW-5	PW-5E	Regional	21-May-13	1423.64	672.00	13.79	109.29	971.96	Emhart	
PW-6	PW-6A	Regional	21-May-13	1409.16	442.00	13.81	15.51	971.08	Emhart	Average value of PW-6 Regional Aquifer screen intervals (971.09) used for contouring
PW-6	PW-6B	Regional	21-May-13	1409.16	477.00	13.81	30.75	971.24	Emhart	
PW-6	PW-6C	Regional	21-May-13	1409.16	522.00	13.81	50.18	971.07	Emhart	
PW-6	PW-6D	Regional	21-May-13	1409.16	602.00	13.81	84.83	971.00	Emhart	
PW-6	PW-6E	Regional	21-May-13	1409.16	657.00	13.81	108.69	971.05	Emhart	
PW-7	PW-7A	Regional	22-May-13	1401.14	432.00	13.75	14.10	969.95	Emhart	Average value of PW-7 Regional Aquifer screen intervals (968.66) used for contouring
PW-7	PW-7B	Regional	22-May-13	1401.14	498.00	13.75	42.02	968.36	Emhart	
PW-7	PW-7C	Regional	22-May-13	1401.14	568.00	13.75	72.32	968.26	Emhart	
PW-7	PW-7D	Regional	22-May-13	1401.14	638.00	13.75	102.64	968.21	Emhart	
PW-7	PW-7E	Regional	22-May-13	1401.14	688.00	13.75	124.27	968.11	Emhart	
PW-7	PW-7F	Regional	22-May-13	1401.14	752.00	13.75	152.37	968.94	Emhart	
PW-7	PW-7G	Regional	22-May-13	1401.14	817.00	13.75	180.47	968.76	Emhart	
PW-8	PW-8A	Intermediate	23-May-13	1515.42	442.00	13.70	30.85	1112.99	Emhart	
PW-8	PW-8B	Regional	23-May-13	1515.42	547.00	13.70	17.70	977.65	Emhart	Average value of PW-8 Regional Aquifer screen intervals (977.24) used for contouring
PW-8	PW-8C	Regional	23-May-13	1515.42	647.00	13.70	60.94	977.40	Emhart	
PW-8	PW-8D	Regional	23-May-13	1515.42	722.00	13.70	93.33	977.13	Emhart	
PW-8	PW-8E	Regional	23-May-13	1515.42	772.00	13.70	114.85	976.77	Emhart	

Notes:
County = County of San Bernardino
Emhart = Emhart Industries, Inc.
(1) Groundwater Elevation = TOC Elevation - Depth of Westbay Sampling Port + (Sampling Zone Pressure - Atmospheric Pressure)*2.307 feet/per square inch

Abbreviations:
ft = Feet
MSL = Mean sea level
NM = Not measured
psi = Pound per square inch
TOC = Top of casing



Legend

- 160 Acre Area - Upgradient or Downgradient Monitoring Well
- 160-Acre Area Monitoring Well
- City of Rialto Production Well
- EPA Monitoring Well
- San Bernardino County Well
- Other Production/Monitoring Well
- USGS Cluster Well
- Groundwater Contour
- Faults
- Model Boundary
- Site Boundary

Note:
1. Average concentration posted for wells with multiple screening levels within the zone.
2. Locations without data posted are not screened within the aquifer.
3. (*) Well not used for contouring purposes.

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

DRAFT

N

0 2,000
Feet

SOURCE AREA OPERABLE UNIT
B.F. GOODRICH SUPERFUND SITE

FIGURE 4

POTENTIOMETRIC SURFACE
REGIONAL AQUIFER

ERM

PREPARED BY: aroe (ERM)	JOB NO. 0179962.03.A FILE: 0179962_177.mxd

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Heather Balfour

From: Praskins, Wayne <Praskins.Wayne@epa.gov>
Sent: Wednesday, September 11, 2013 2:35 PM
To: Truong Mai
Cc: Greg Murphy; Heather Balfour
Subject: B.F. Goodrich Superfund Site, SAOU - Review of Responses to Comments on the draft Remedial Design Investigation Report

We have reviewed Environmental Resources Management's (ERM) responses to EPA's comments on the draft Remedial Design Investigation Report ("RDI Report") for the Source Area Operable Unit at the B.F. Goodrich Superfund Site. The draft RDI Report is dated July 16, 2013; EPA's comments are dated August 27, 2013; and ERM's responses were provided on September 9, 2013. The RDI Report and responses to comments were prepared on behalf of Emhart Industries in accordance with the approved RD Work Plan, dated May 2013.

Our comments have been satisfactorily addressed. Please submit, by September 25, 2013, a revised RDI Report that incorporates or reflects the responses provided on September 9, 2013.

Wayne Praskins | Superfund Project Manager
U.S. Environmental Protection Agency Region 9
75 Hawthorne St. (SFD-7-3)
San Francisco, CA 94105
415-972-3181