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20 October 2014

*Via Electronic Mail*

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

Subject: August 2014 - Remedial Design Investigation Report
Source Area Operable Unit, Rockets, Fireworks, and Flares Site

Dear Mr. Praskins:

On behalf of Emhart Industries, Inc. (Emhart), ERM-West, Inc. (ERM) submits this August 2014 - Remedial Design Investigation Report for the Source Area Operable Unit at the Rockets, Fireworks, and Flares 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 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).

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*

Truong T. Mai, P.E.
*Partner*

Attachment

cc:

Work Consent Decree Notices:

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Rafat Abbasi, Department of Toxic Substances Control
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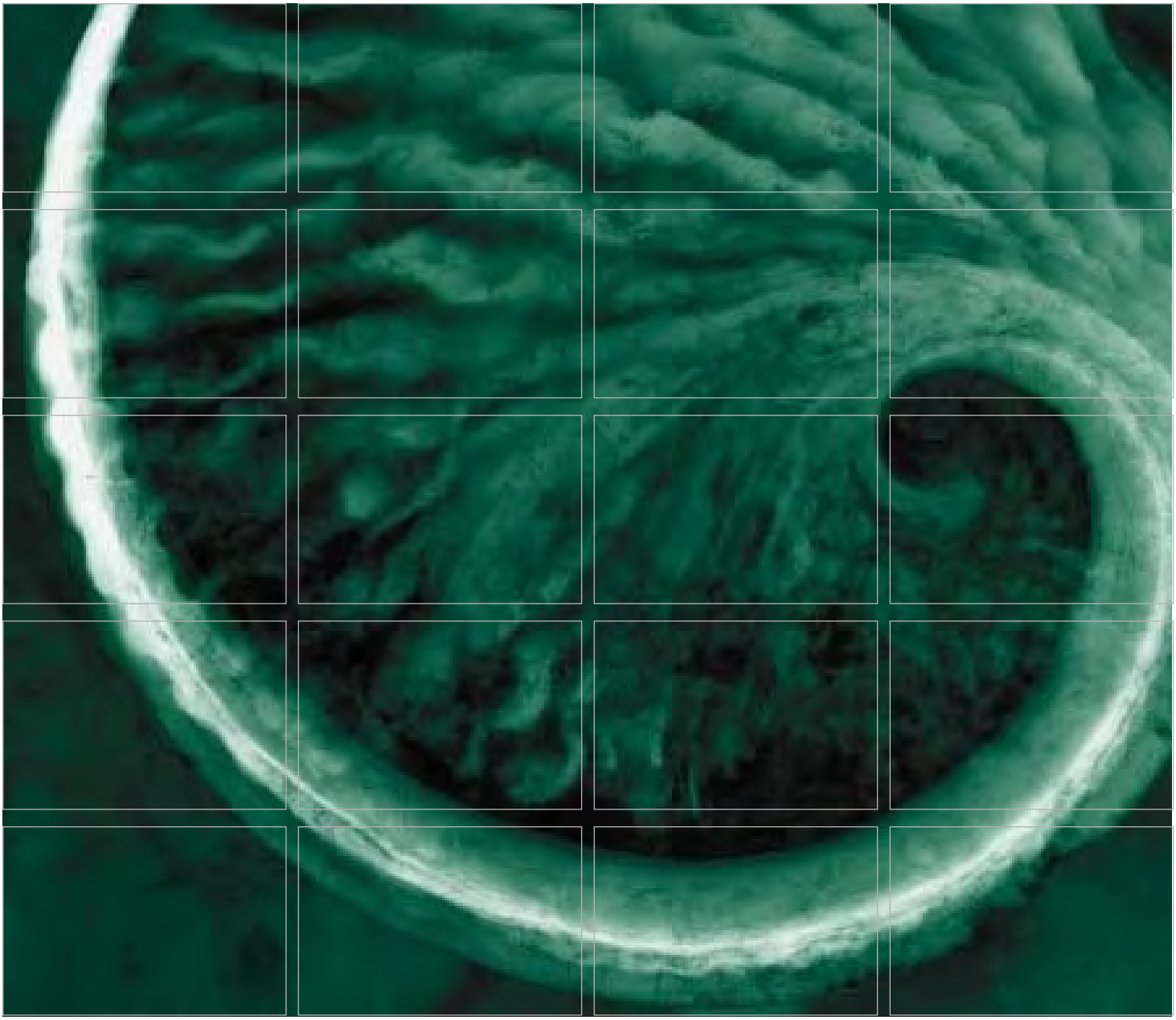

# August 2014 - Remedial Design Investigation Report

**Source Area Operable Unit**
**Rockets, Fireworks, and Flares Site**
**EPA ID: CAN000905945**

October 2014

**Prepared for:**
Emhart Industries, Inc.

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ERM

*The world's leading sustainability consultancy*

Emhart Industries, Inc.

# August 2014 - Remedial Design Investigation Report

Source Area Operable Unit
Rockets, Fireworks, and Flares Site
EPA ID: CAN000905945

October 2014

Project No. 0179962


Truong T. Mai, P.E.
*Partner*

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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. |
| GLA | Geo-Logic Associates |
| 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) prepared this report to summarize the August 2014 groundwater monitoring activities for the Source Area Operable Unit (SAOU) at the Rockets, Fireworks, and Flares Site (formerly the B.F. Goodrich Superfund Site [Figures 1 and 2]).

This sampling was conducted in accordance with the *Final Sampling and Analysis Plan* (SAP) submitted on 3 May 2013 (ERM, 2013b) and *Final Monitoring Well Installation Work Plan/Field Sampling Plan* (FSP) submitted on 1 November 2013 (ERM, 2013d). The objective of the groundwater monitoring activities is to provide current water level measurements and volatile organic compound (VOC) and perchlorate concentration data for wells in the vicinity of the SAOU.

This report also includes groundwater monitoring data for County Remedy wells collected by Geo-Logic Associates (GLA) on behalf of the County of San Bernardino between 8 July and 18 August 2014. Data provided by GLA is presented in Appendix A.

## 1.1 REPORT ORGANIZATION

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

- Section 2.0 summarizes the field activities;
- Section 3.0 summarizes groundwater monitoring results; and
- Section 4.0 presents a list of references used in the preparation of this report.

Appendices to this report include:

- Appendix A—Data provided by San Bernardino County;
- Appendix B—Field Logs;
- Appendix C—Chain-of-Custody Forms and Laboratory Data; and
- Appendix D—Data Validation Reports.

## 2.0 *SUMMARY OF FIELD ACTIVITIES*

ERM subcontracted Blaine Tech Services, Inc. (Blaine Tech) to perform the field activities. Between 25 and 29 August 2014, Blaine Tech completed the following groundwater monitoring tasks:

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

Blaine Tech performed all field activities in accordance with generally accepted, industry standard procedures as described in detail in the SAP (ERM, 2013b). Blaine Tech recorded all measurements, including location, time, and date of measurement on the groundwater well sample field logs presented in Appendix B. Corresponding field logs prepared by GLA for County Remedy wells are presented in Appendix A.

Blaine Tech stored decontamination water and excess groundwater generated during field activities in a labeled 55-gallon drum, pending profiling. 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 during the August 2014 monitoring event were disposed of as non-hazardous waste at Crosby and Overton, Inc. of Long Beach, California on 16 October 2014.

## 3.0 GROUNDWATER MONITORING RESULTS

This section summarizes the results of groundwater monitoring performed during the August 2014 monitoring event.

### 3.1 WATER LEVEL RESULTS

The depth to groundwater was measured in accordance with the SAP and FSP with the following exceptions:

- No groundwater levels were measured from the following wells, which were dry: F-3-Shallow, M-1-Shallow, M-2-Zone 1, M-5-Zone 1, N-1-Shallow, N-3-Deep, N-4-Deep, N-6-Deep, N-8-Deep, N-9-Shallow, N-9-Deep, N-11-Deep, N-14-Shallow, N-20-Zone 2 CWM-02A, PW-2A, PW-3A, and PW-4A.
- GLA collected water level data for the County Remedy wells between 7 and 13 August 2014. GLA did not collect water level measurements for the following locations proposed in the SAP: N-18-C1, N-19R-C1, M-4-Shallow, M-4-Deep. Although ERM has not been able to confirm the reason for not collecting depth to water measurements at these wells, it appears that the wells were either damaged or could not be accessed by GLA.
- Water level measurements provided by GLA for the following locations, not originally proposed in the SAP, are included in the tables and figures: F-3-Shallow, F-6-Shallow, F-6-A (Shallow and Deep), 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-19r (B, C1, and C2), N-20 (Zones 1 through 6), and S2-Shallow.

Water levels are presented in Table 1 for production, nested, and conventional monitoring wells and Table 2 for Westbay multiport wells.

Groundwater elevation in wells sampled during the August 2014 monitoring event were used to estimate groundwater elevation contours of the Intermediate and Regional Aquifers' potentiometric surfaces in the vicinity of 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 0.0170 feet-per-foot in the Intermediate Aquifer and at a horizontal hydraulic

gradient of approximately 0.0015 feet-per-foot in the Regional Aquifer. The direction of flow and horizontal hydraulic gradient were generally consistent in the Intermediate and Regional Aquifers and were generally consistent with historical water level trends.

## 3.2 *GROUNDWATER QUALITY RESULTS*

Water quality samples were collected in accordance with the sampling schedule provided in the SAP and FSP, with the exception of wells PW-4A, PW-6A, and PW-7A, where insufficient water volume exists to allow for sample collection.

The sample analysis matrix is summarized in Table 3 and a complete list of analytes and results are provided in Table 4. TCE, carbon tetrachloride 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 August 2014 monitoring event are presented on Figures 5 through 8. Carbon tetrachloride was only detected above the cleanup standard of 0.5 micrograms per liter at one location (EMW-04A at 0.74 micrograms per liter).

## 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 D.

## *4.0 REFERENCES*


ERM-West, Inc. (ERM) 2013a. *Final Groundwater Flow Modeling Report*. 26 July.

ERM. 2013b. *Final Sampling and Analysis Plan*. 3 May.

ERM. 2013c. *Quality Assurance Project Plan. 3* May.

*ERM. 2013d. Final Monitoring Well Installation Work Plan/Field Sampling Plan.* 1 November.

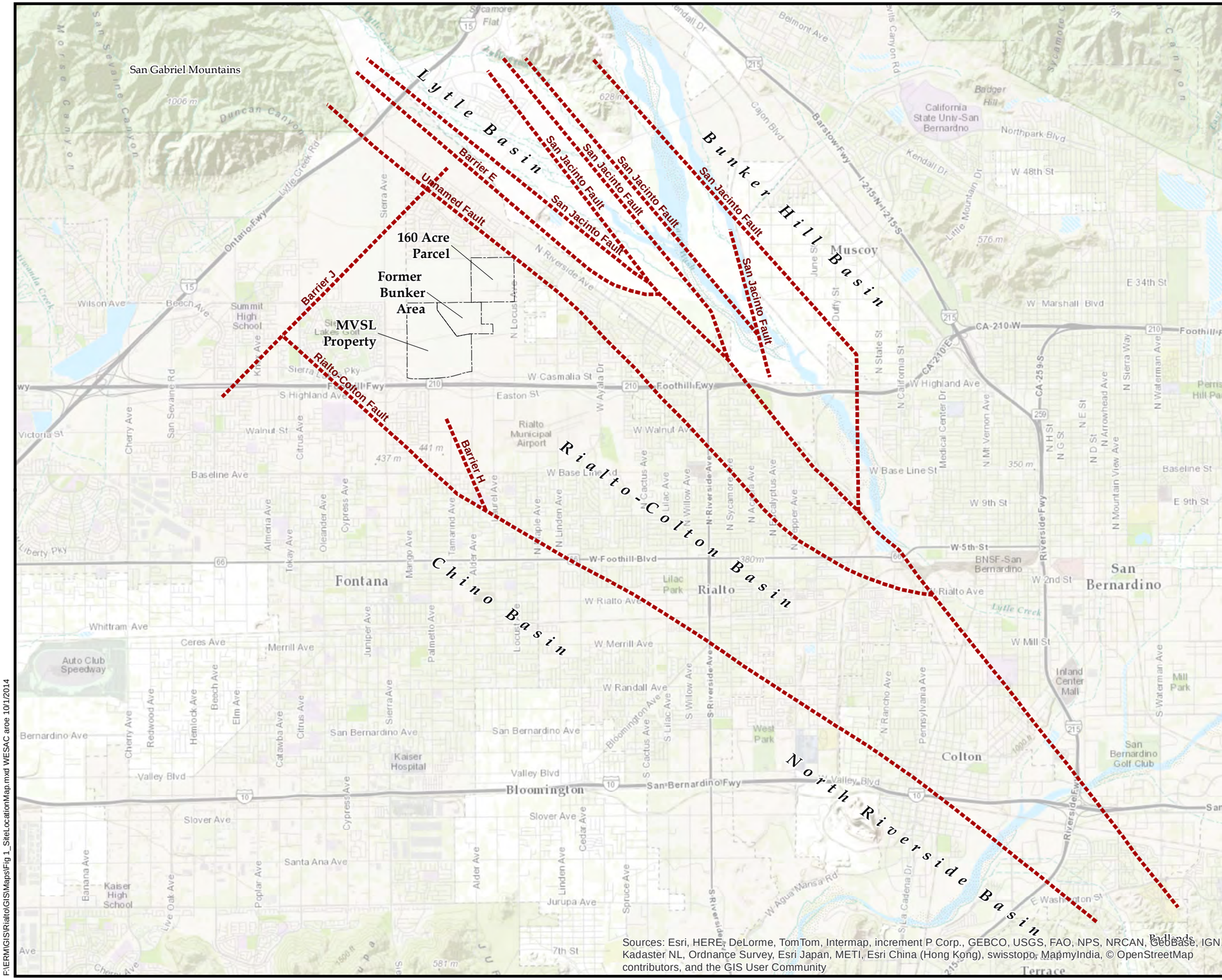
GeoInsight, Inc. 2010. *Standard Operating Procedure: Sampling Ground Water with a HydraSleeve.* Available at http://www.hydrasleeve.com.

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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Scale in Feet

SOURCE AREA OPERABLE UNIT
ROCKETS, FIREWORKS, AND FLARES SUPERFUND SITE

FIGURE 1

SITE LOCATION MAP

ERM

PREPARED BY:
aroe (ERM)

JOB NO. 0179962
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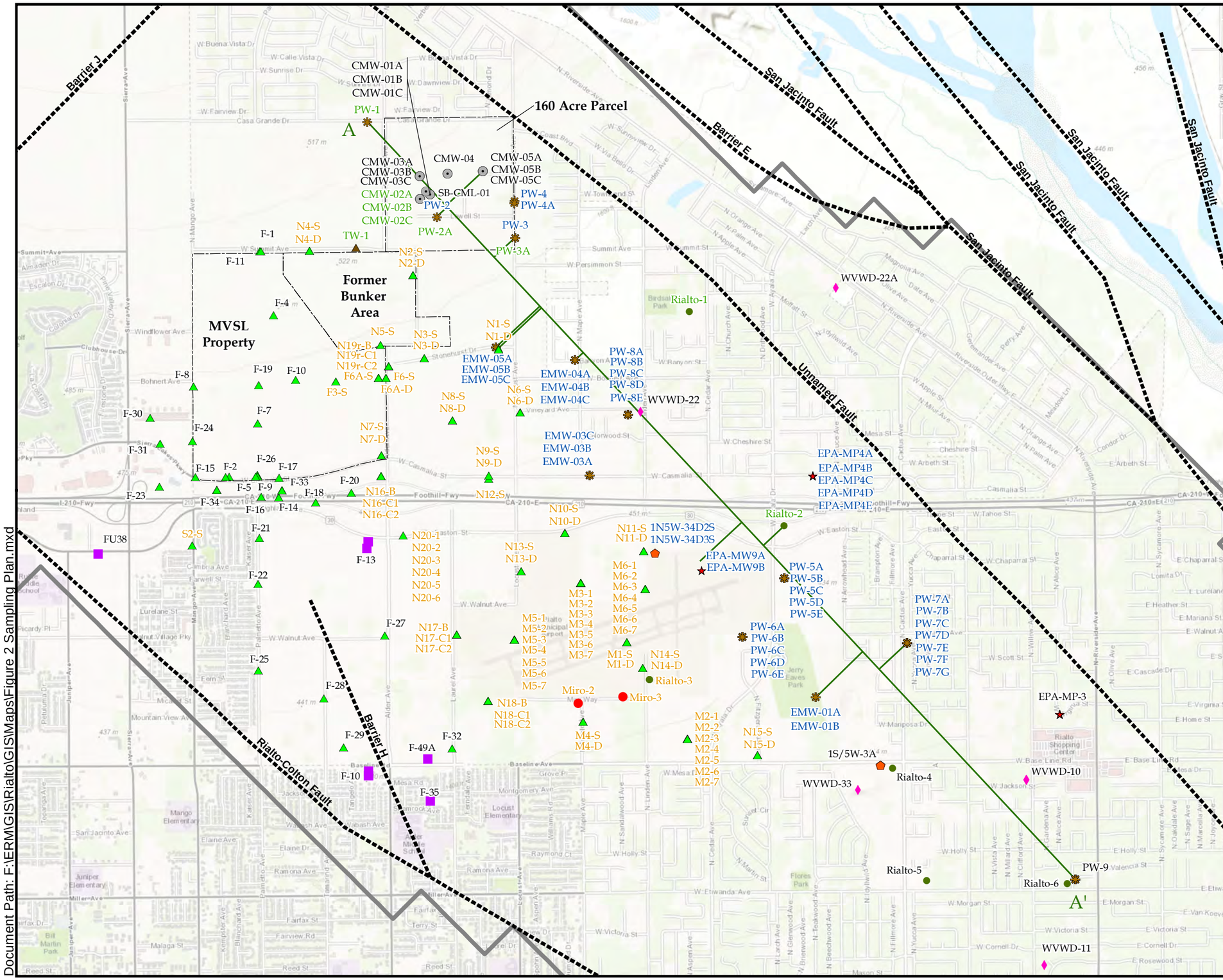


SOURCE AREA OPERABLE UNIT
ROCKETS, FIREWORKS AND FLARES SUPERFUND SITE

FIGURE 2

SAMPLING PLAN

ERM

| PREPARED BY: RK (ERM) | JOB NO. 0179962.03.A<br>FILE: Figure 2 Sampling Plan.mxd |
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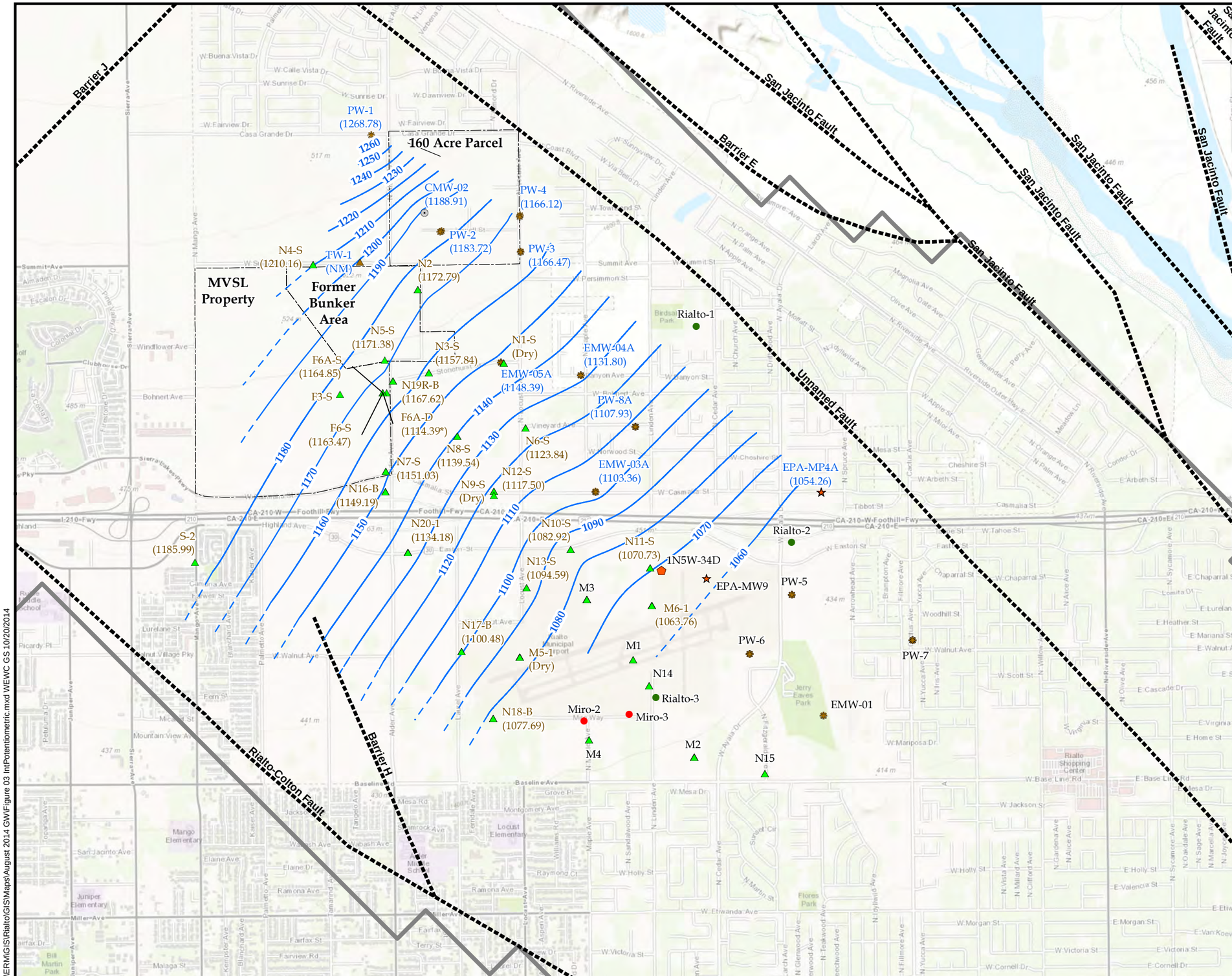


## Legend

- Miro Well
- Source Area Operable Unit 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 Elevation Contour (10 ft. Interval)
- Implied Groundwater Elevation Contour
- Faults
- Model Boundary
- Site Boundary

Note:
1. Locations without data posted are not screened within the aquifer.
2. Average elevation posted for wells with multiple screening levels within the zone.
3. (*) Well not used for contouring purposes.
4. Wells with brown labels are gauged by San Bernadino County, wells with blue labels guaged by Emhart.
5. NM = Not Measured.

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

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Feet

SOURCE AREA OPERABLE UNIT
ROCKETS, FIREWORKS AND FLARES SUPERFUND SITE

FIGURE 3

POTENTIOMETRIC SURFACE
INTERMEDIATE AQUIFER

ERM

PREPARED BY:
GS (ERM)

JOB NO. 0179962.03.A
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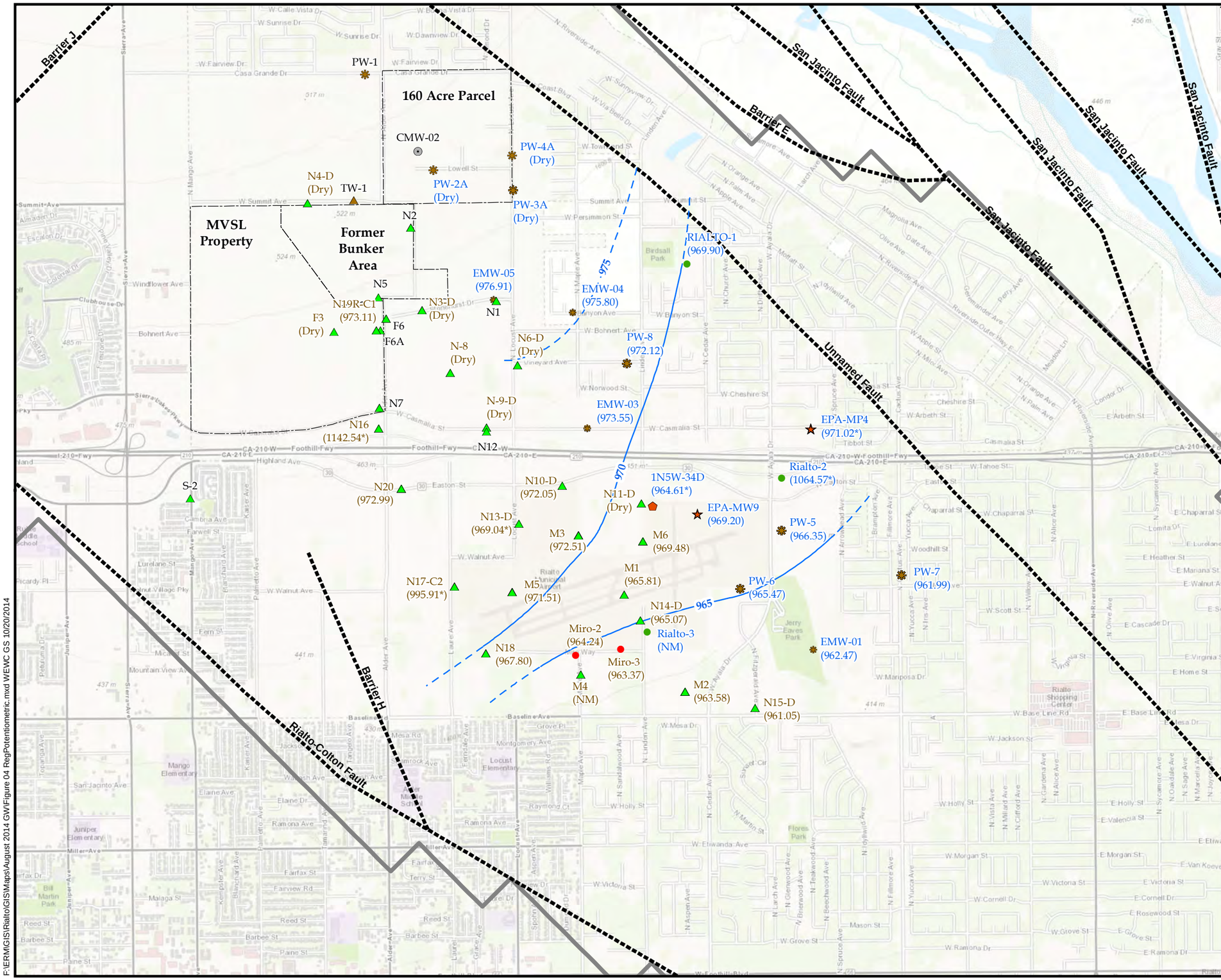


## Legend

- Miro Well
- Source Area Operable Unit 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 Elevation Contour (5 ft. Interval)
- Implied Groundwater Elevation Contour
- Faults
- Model Boundary
- Site Boundary

Note:
1. Locations without data posted are not screened within the aquifer.
2. Average elevation posted for wells with multiple screening levels within the zone.
3. (*) Well not used for contouring purposes.
4. Wells with brown labels are gauged by San Bernadino County, wells with blue labels guaged by Emhart.
5. NM = Not Measured.

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

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SOURCE AREA OPERABLE UNIT
ROCKETS, FIREWORKS AND FLARES SUPERFUND SITE

FIGURE 4

POTENTIOMETRIC SURFACE
REGIONAL AQUIFER

ERM

PREPARED BY:
GS (ERM)

JOB NO. 0179962.03.A
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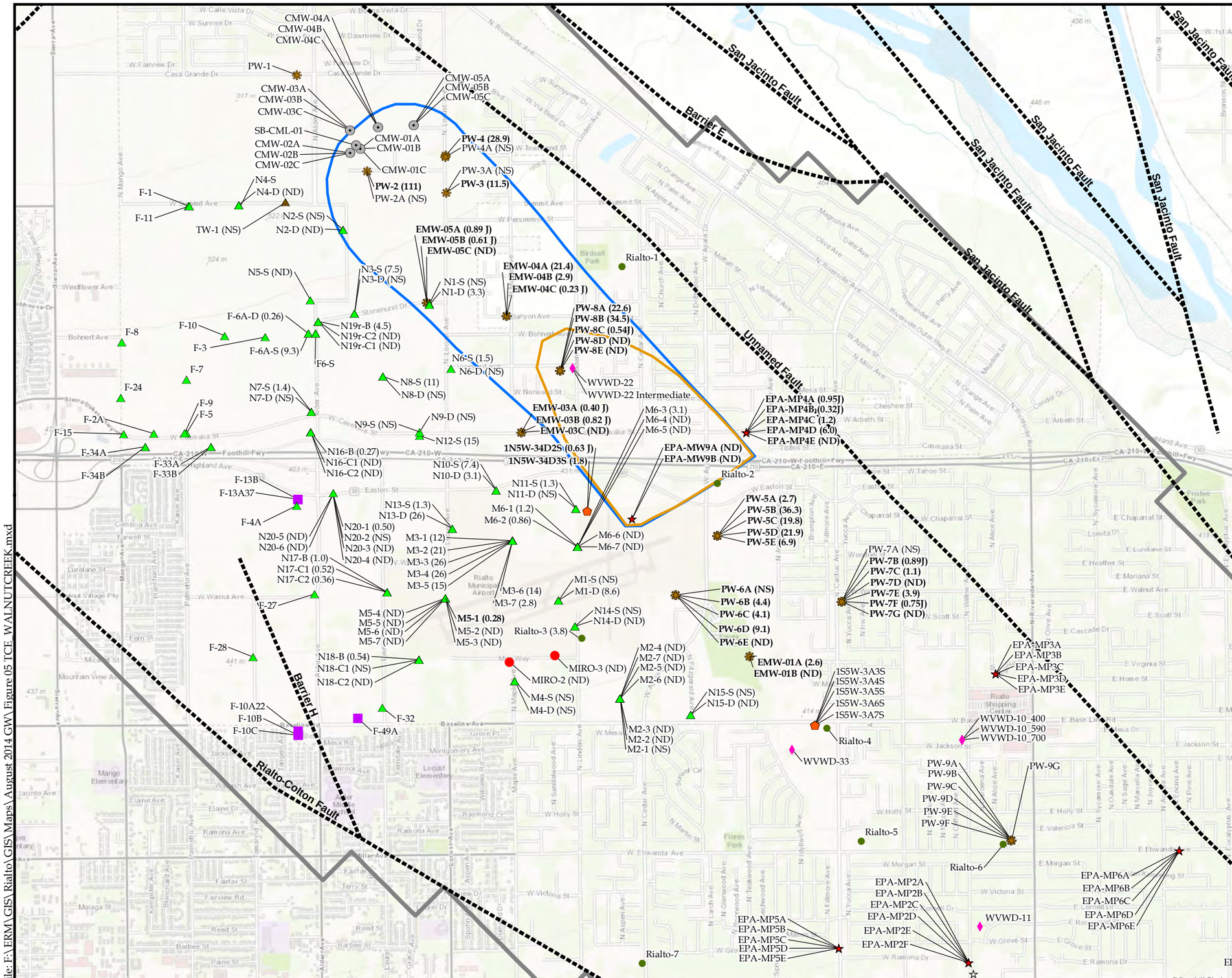


## Legend

- Source Area Operable Unit Monitoring Well
- Miro Wells
- 160 Acre Area Monitoring Well
- City of Rialto Production Well
- EPA Monitoring Well
- Fontana Water Company Production 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:

( ) TCE Concentration (micrograms per liter)
ND Not Detected
NS Not Sampled
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 2014 sample results collected by Emhart.
*Posted data is the most recent sample from each well screen collected in August 2014.

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

ERM. 2014. *Draft August 2014 Remedial Design Investigation Report.* October 2014.

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Scale in Feet

SOURCE AREA OPERABLE UNIT
ROCKETS, FIREWORKS AND FLARES SUPERFUND SITE

FIGURE 5

TCE CONCENTRATION IN GROUNDWATER AND SAOU TARGET AREA

ERM

PREPARED BY: AP (ERM)

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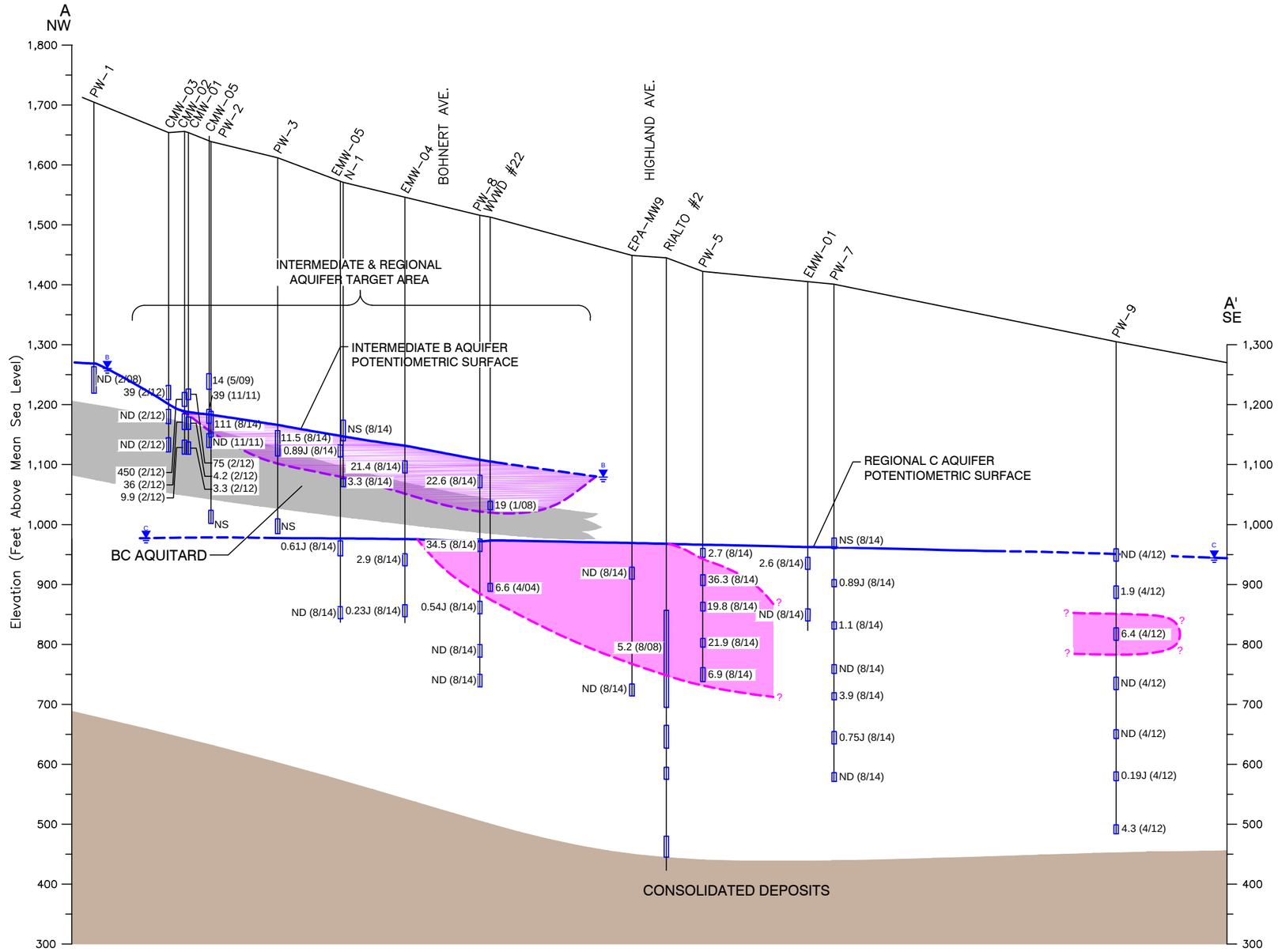


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1" = 2500'
(Vertical Exaggeration = 12.5X)

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 August 2014 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 August 2014. 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*
*Rockets, Fireworks, and Flares Superfund Site*
*Rialto, California*

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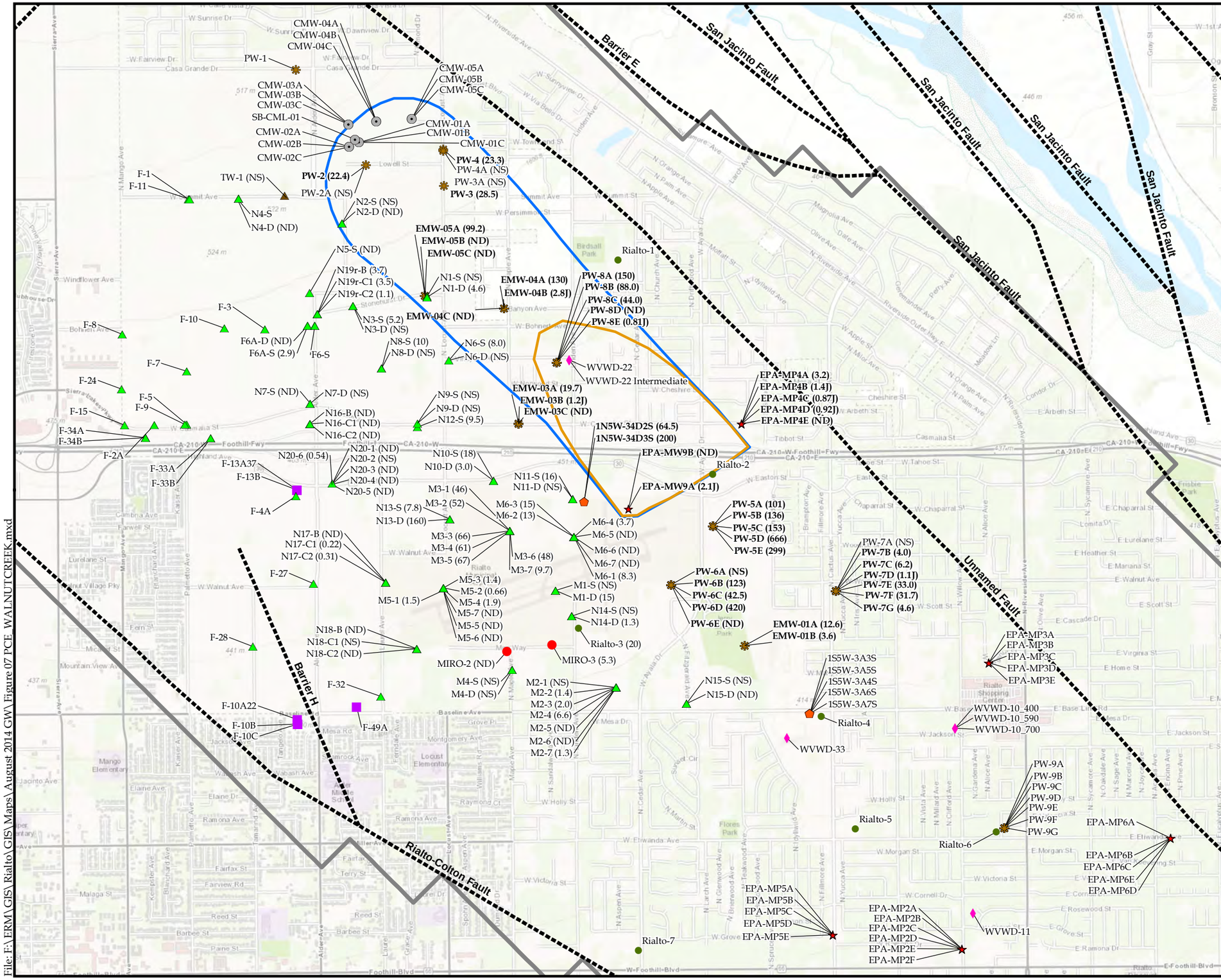


## Legend

- Source Area Operable Unit Monitoring Well
- Miro Wells
- 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
NS Not Sampled
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 2014 sample results collected by Emhart.
*Posted data is the most recent sample from each well screen collected in August 2014.

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

ERM. 2014. *Draft August 2014 Remedial Design Investigation Report*. October 2014.


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Scale in Feet

SOURCE AREA OPERABLE UNIT
ROCKETS, FIREWORKS AND FLARES SUPERFUND SITE

FIGURE 7

PERCHLORATE CONCENTRATION IN GROUNDWATER AND SAOU TARGET AREA

ERM

PREPARED BY: AP (ERM)

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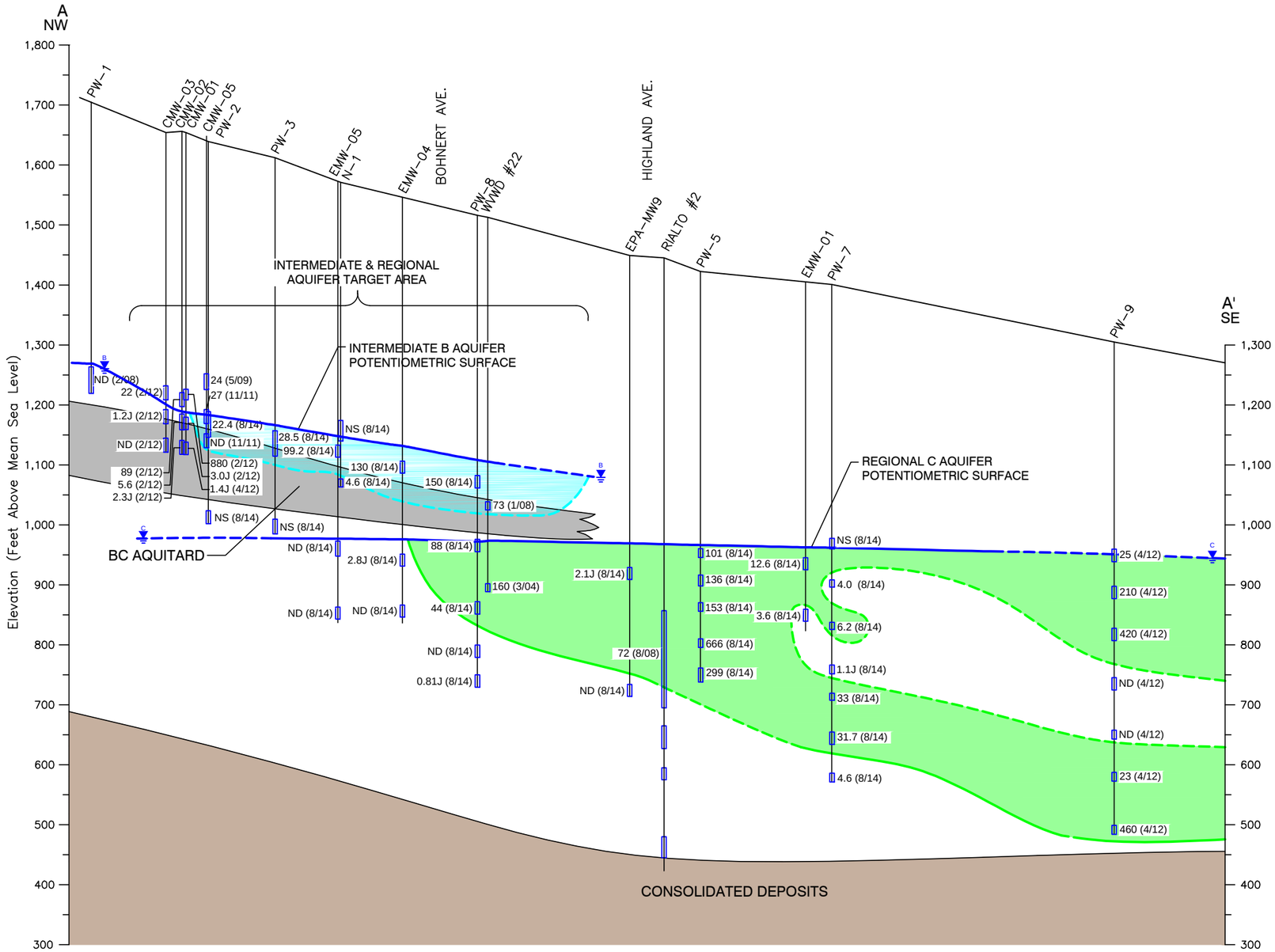


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1" = 200'
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HORIZONTAL
SCALE IN FEET
2500
1" = 2500'
(Vertical Exaggeration = 12.5X)

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

Extent of Perchlorate Concentrations exceeding the Maximum Contaminant Level (6$\mu$g/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 August 2014 in the Intermediate B or Regional C Aquifer as noted; dashed where not certain

32 (5/13) — Perchlorate Concentration in $\mu$g/L and (month/year sampled); most recent data available as of August 2014. Duplicates are shown as the secondary sample.

ND — Not Detected
NS — Not Sampled
J — Estimated Concentration
$\mu$g/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*
*Rockets, Fireworks, and Flares Superfund Site*
*Rialto, California*

ERM 10/14

Project No. 0179962.04
Date: 10/09/14
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*Tables*

*Table 1* *Well Groundwater Elevations - Conventional Wells*
*Source Area Operable Unit*
*Rockets, Flares, and Fireworks 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 | 11-Aug-14 | 1582.87 | DRY | NA | County | |
| F-6 | F6-S | Intermediate | 7-Aug-14 | 1577.13 | 413.66 | 1163.47 | County | |
| F-6A | F6A-D | Intermediate | 11-Aug-14 | 1577.56 | 463.17 | 1114.39 | County | Well value not used for contouring purposes. |
| F-6A | F6A-S | Intermediate | 11-Aug-14 | 1577.80 | 412.95 | 1164.85 | County | |
| M-1 | M1-D | Regional | 11-Aug-14 | 1431.32 | 465.51 | 965.81 | County | |
| M-1 | M1-S | Regional | 11-Aug-14 | 1431.42 | DRY | NA | County | |
| M-4 | M4-D | Regional | 11-Aug-14 | 1408.46 | NM | NM | County | No access. |
| M-4 | M4-S | Regional | 11-Aug-14 | 1408.55 | NM | NM | County | No access. |
| N-1 | N1-D | Aquitard | 11-Aug-14 | 1569.74 | 494.31 | 1075.43 | County | |
| N-1 | N1-S | Intermediate | 11-Aug-14 | 1569.73 | DRY | NA | County | |
| N-2 | N2-D | Intermediate | 11-Aug-14 | 1619.16 | 447.51 | 1171.65 | County | Average value of N2-D and N2-S (1,172.79) used for contouring. |
| N-2 | N2-S | Intermediate | 11-Aug-14 | 1619.13 | 445.20 | 1173.93 | County | |
| N-3 | N3-D | Regional | 11-Aug-14 | 1577.31 | DRY | NA | County | |
| N-3 | N3-S | Intermediate | 11-Aug-14 | 1577.28 | 419.44 | 1157.84 | County | |
| N-4 | N4-D | Regional | 11-Aug-14 | 1647.10 | DRY | NA | County | |
| N-4 | N4-S | Intermediate | 11-Aug-14 | 1647.10 | 436.94 | 1210.16 | County | |
| N-5 | N5-S | Intermediate | 11-Aug-14 | 1593.61 | 422.23 | 1171.38 | County | |
| N-6 | N6-S | Intermediate | 11-Aug-14 | 1538.92 | 415.08 | 1123.84 | County | |
| N-6 | N6-D | Regional | 11-Aug-14 | 1538.91 | DRY | NA | County | |
| N-7 | N7-S | Intermediate | 11-Aug-14 | 1541.26 | 390.23 | 1151.03 | County | |
| N-8 | N8-S | Intermediate | 11-Aug-14 | 1544.28 | 404.74 | 1139.54 | County | |
| N-8 | N8-D | Regional | 11-Aug-14 | 1544.28 | DRY | NA | County | |
| N-9 | N9-S | Intermediate | 11-Aug-14 | 1514.92 | DRY | NA | County | |
| N-9 | N9-D | Regional | 11-Aug-14 | 1514.92 | DRY | NA | County | |
| N-10 | N10-D | Regional | 11-Aug-14 | 1484.20 | 512.15 | 972.05 | County | |
| N-10 | N10-S | Intermediate | 11-Aug-14 | 1484.20 | 401.28 | 1082.92 | County | |
| N-11 | N11-D | Regional | 11-Aug-14 | 1460.35 | DRY | NA | County | |
| N-11 | N11-S | Intermediate | 11-Aug-14 | 1460.26 | 389.53 | 1070.73 | County | |
| N-12 | N12-S | Intermediate | 11-Aug-14 | 1515.03 | 397.53 | 1117.50 | County | |
| N-13 | N13-D | Regional | 11-Aug-14 | 1470.45 | 501.41 | 969.04 | County | Well value not used for contouring purposes. |
| N-13 | N13-S | Intermediate | 11-Aug-14 | 1470.70 | 376.11 | 1094.59 | County | |
| N-14 | N14-D | Regional | 11-Aug-14 | 1419.85 | 454.78 | 965.07 | County | |
| N-14 | N14-S | Regional | 11-Aug-14 | 1420.00 | DRY | NA | County | |
| N-15 | N15-D | Regional | 11-Aug-14 | 1374.24 | 413.19 | 961.05 | County | |
| N-16 | N16-B | Intermediate | 11-Aug-14 | 1530.74 | 381.55 | 1149.19 | County | |
| N-16 | N16-C1 | Regional | 11-Aug-14 | 1525.87 | 382.72 | 1143.15 | County | Average value of N16-C1 and N16-C2 (1142.54). Average well value not used for contouring. |
| N-16 | N16-C2 | Regional | 11-Aug-14 | 1523.87 | 381.95 | 1141.92 | County | |
| N-17 | N17-B | Intermediate | 11-Aug-14 | 1454.20 | 353.72 | 1100.48 | County | |
| N-17 | N17-C1 | Aquitard | 11-Aug-14 | 1449.67 | 364.24 | 1085.43 | County | |
| N-17 | N17-C2 | Regional | 11-Aug-14 | 1454.06 | 458.15 | 995.91 | County | Well value not used for contouring purposes. |
| N-18 | N18-B | Intermediate | 11-Aug-14 | 1425.26 | 347.57 | 1077.69 | County | |
| N-18 | N18-C1 | Regional | 11-Aug-14 | 1425.32 | NM | NM | County | Average value of N18-C1 and N18-C2 (967.80) used for contouring. |
| N-18 | N18-C2 | Regional | 11-Aug-14 | 1425.29 | 457.49 | 967.80 | County | |
| N-19r | N19r-B | Intermediate | 11-Aug-14 | 1580.35 | 412.73 | 1167.62 | County | |
| N-19r | N19r-C1 | Regional | 11-Aug-14 | 1580.29 | NM | NM | County | Average value of N-19r-C1 and N-19r-C2 (973.11) used for contouring. |
| N-19r | N19r-C2 | Regional | 11-Aug-14 | 1580.24 | 607.13 | 973.11 | County | |
| S-2 | S2-S | Intermediate | 11-Aug-14 | 1511.61 | 325.62 | 1185.99 | County | |
| 1N5W-34D | 1N5W-34D2S | Regional | 25-Aug-14 | 1463.00 | 498.46 | 964.54 | Emhart | Average value of 1N5W-34D2S and 1N5W-34D3S (964.61). Average well value not used for contouring. |
| 1N5W-34D | 1N5W-34D3S | Regional | 25-Aug-14 | 1463.00 | 498.32 | 964.68 | Emhart | |
| CMW-02 | CMW-02A | Intermediate | 25-Aug-14 | 1655.68 | DRY | NA | Emhart | Average value of CMW-02A and CMW-02B (1,188.91) used for contouring. |
| CMW-02 | CMW-02B | Intermediate | 25-Aug-14 | 1655.68 | 466.77 | 1188.91 | Emhart | |
| CMW-02 | CMW-02C | Aquitard | 25-Aug-14 | 1655.68 | 472.98 | 1182.70 | Emhart | |

*Table 1* *Well Groundwater Elevations - Conventional Wells*
*Source Area Operable Unit*
*Rockets, Flares, and Fireworks 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 |
|---|---|---|---|---|---|---|---|---|
| RIALTO-1 | RIALTO-1 | Regional | 25-Aug-14 | 1535.00 | 565.10 | 969.90 | Emhart | |
| RIALTO-2 | RIALTO-2 | Regional | 25-Aug-14 | 1508.00 | 443.43 | 1064.57 | Emhart | Well value not used for contouring purposes. |
| RIALTO-3 | RIALTO-3 | Regional | 25-Aug-14 | 1417.00 | NM | NM | Emhart | Active extraction well. |
| Miro-2 | Miro-2 | Regional | 11-Aug-14 | 1419.11 | 454.87 | 964.24 | County | |
| Miro-3 | Miro-3 | Regional | 11-Aug-14 | 1415.01 | 451.64 | 963.37 | County | |
| TW-1 | TW-1 | Intermediate | 25-Aug-14 | 1644.13 | NM | NM | Emhart | No access, due to pending access agreement. |
| EPA-MW9 | EPA-MW9A | Regional | 25-Aug-14 | 1448.73 | 479.42 | 969.31 | Emhart | Average value of EPA-MW9A and EPA-MW9B (969.20) used for contouring. |
| EPA-MW9 | EPA-MW9B | Regional | 25-Aug-14 | 1448.63 | 479.55 | 969.08 | Emhart | |
| PW-1 | PW-1 | Intermediate | 25-Aug-14 | 1704.48 | 435.70 | 1268.78 | Emhart | |
| PW-2 | PW-2 | Intermediate | 25-Aug-14 | 1639.36 | 455.64 | 1183.72 | Emhart | |
| PW-2 | PW-2A | Regional | 25-Aug-14 | 1639.58 | DRY | NA | Emhart | |
| PW-3 | PW-3 | Intermediate | 25-Aug-14 | 1611.81 | 445.34 | 1166.47 | Emhart | |
| PW-3 | PW-3A | Regional | 25-Aug-14 | 1611.81 | DRY | NA | Emhart | |
| PW-4 | PW-4 | Intermediate | 25-Aug-14 | 1626.56 | 460.44 | 1166.12 | Emhart | |
| PW-4 | PW-4A | Regional | 25-Aug-14 | 1626.56 | DRY | NA | Emhart | |
| EMW-01A | EMW-01A | Regional | 25-Aug-14 | 1384.48 | 423.10 | 961.38 | Emhart | Average value of EMW-01A and EMW-01B (962.47) used for contouring. |
| EMW-01B | EMW-01B | Regional | 25-Aug-14 | 1386.48 | 422.93 | 963.55 | Emhart | |
| EMW-03A | EMW-03A | Intermediate | 25-Aug-14 | 1500.66 | 397.30 | 1103.36 | Emhart | |
| EMW-03B | EMW-03B | Regional | 25-Aug-14 | 1500.61 | 527.00 | 973.61 | Emhart | Average value of EMW-03B and EMW-03C (973.55) used for contouring. |
| EMW-03C | EMW-03C | Regional | 25-Aug-14 | 1500.51 | 527.02 | 973.49 | Emhart | |
| EMW-04A | EMW-04A | Intermediate | 25-Aug-14 | 1549.42 | 417.62 | 1131.80 | Emhart | |
| EMW-04B | EMW-04B | Regional | 25-Aug-14 | 1549.32 | 573.49 | 975.83 | Emhart | Average value of EMW-04B and EMW-04C (975.80) used for contouring. |
| EMW-04C | EMW-04C | Regional | 25-Aug-14 | 1549.23 | 573.47 | 975.76 | Emhart | |
| EMW-05A | EMW-05A | Intermediate | 25-Aug-14 | 1573.56 | 425.17 | 1148.39 | Emhart | |
| EMW-05B | EMW-05B | Regional | 25-Aug-14 | 1573.42 | 596.40 | 977.02 | Emhart | Average value of EMW-05B and EMW-05C (976.91) used for contouring. |
| EMW-05C | EMW-05C | Regional | 25-Aug-14 | 1573.33 | 596.54 | 976.79 | 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*
*Rockets, Flares, and Fireworks 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 | 13-Aug-14 | 1389.28 | 409.30 | 13.98 | 14.12 | Dry | County | |
| M-2 | M2-2 | Regional | 13-Aug-14 | 1389.28 | 454.30 | 13.98 | 26.44 | 963.73 | County | Average value of M2 screen intervals (963.58) |
| M-2 | M2-3 | Regional | 13-Aug-14 | 1389.28 | 509.30 | 13.98 | 50.27 | 963.70 | County | used for contouring. |
| M-2 | M2-4 | Regional | 13-Aug-14 | 1389.28 | 534.30 | 13.98 | 61.09 | 963.66 | County | |
| M-2 | M2-5 | Regional | 13-Aug-14 | 1389.28 | 584.30 | 13.98 | 82.73 | 963.59 | County | |
| M-2 | M2-6 | Regional | 13-Aug-14 | 1389.28 | 639.30 | 13.98 | 106.52 | 963.47 | County | |
| M-2 | M2-7 | Regional | 13-Aug-14 | 1389.28 | 679.30 | 13.98 | 123.81 | 963.36 | County | |
| M-3 | M3-1 | Regional | 11-Aug-14 | 1464.24 | 496.53 | 13.86 | 16.65 | 974.15 | County | Average value of M3 screen intervals (972.51) |
| M-3 | M3-2 | Regional | 11-Aug-14 | 1464.24 | 526.53 | 13.86 | 29.58 | 973.98 | County | used for contouring . |
| M-3 | M3-3 | Regional | 11-Aug-14 | 1464.24 | 556.53 | 13.86 | 41.73 | 972.01 | County | |
| M-3 | M3-4 | Regional | 11-Aug-14 | 1464.24 | 576.53 | 13.86 | 50.39 | 971.98 | County | |
| M-3 | M3-5 | Regional | 11-Aug-14 | 1464.24 | 616.53 | 13.86 | 67.68 | 971.87 | County | |
| M-3 | M3-6 | Regional | 11-Aug-14 | 1464.24 | 631.53 | 13.86 | 74.19 | 971.89 | County | |
| M-3 | M3-7 | Regional | 11-Aug-14 | 1464.24 | 666.53 | 13.86 | 89.27 | 971.68 | County | |
| M-5 | M5-1 | Intermediate | 12-Aug-14 | 1438.98 | 368.00 | 13.93 | 23.04 | Dry | County | |
| M-5 | M5-2 | Regional | 12-Aug-14 | 1438.98 | 473.00 | 13.93 | 16.65 | 972.26 | County | Average value of M5 Regional Aquifer screen intervals (971.51) |
| M-5 | M5-3 | Regional | 12-Aug-14 | 1438.98 | 528.00 | 13.93 | 40.22 | 971.63 | County | used for contouring. |
| M-5 | M5-4 | Regional | 12-Aug-14 | 1438.98 | 573.00 | 13.93 | 59.66 | 971.48 | County | |
| M-5 | M5-5 | Regional | 12-Aug-14 | 1438.98 | 638.00 | 13.93 | 87.79 | 971.38 | County | |
| M-5 | M5-6 | Regional | 12-Aug-14 | 1438.98 | 678.00 | 13.93 | 105.05 | 971.19 | County | |
| M-5 | M5-7 | Regional | 12-Aug-14 | 1438.98 | 723.00 | 13.93 | 124.53 | 971.13 | County | |
| M-6 | M6-1 | Intermediate | 12-Aug-14 | 1447.34 | 392.00 | 13.93 | 17.58 | 1063.76 | County | |
| M-6 | M6-2 | Regional | 12-Aug-14 | 1447.34 | 482.00 | 13.93 | 15.54 | 969.05 | County | Average value of M6 Regional Aquifer screen intervals (969.48) |
| M-6 | M6-3 | Regional | 12-Aug-14 | 1447.34 | 543.00 | 13.93 | 41.63 | 968.24 | County | used for contouring. |
| M-6 | M6-4 | Regional | 12-Aug-14 | 1447.34 | 591.00 | 13.93 | 63.25 | 970.12 | County | |
| M-6 | M6-5 | Regional | 11-Aug-14 | 1447.34 | 631.00 | 13.93 | 80.54 | 970.01 | County | |
| M-6 | M6-6 | Regional | 11-Aug-14 | 1447.34 | 691.00 | 13.93 | 106.46 | 969.81 | County | |
| M-6 | M6-7 | Regional | 11-Aug-14 | 1447.34 | 731.00 | 13.93 | 123.73 | 969.65 | County | |
| N-20 | N20-1 | Intermediate | 13-Aug-14 | 1501.57 | 387.00 | 13.89 | 22.39 | 1134.18 | County | |
| N-20 | N20-2 | Intermediate | 13-Aug-14 | 1501.57 | 442.00 | 13.89 | 13.78 | Dry | County | |
| N-20 | N20-3 | Regional | 13-Aug-14 | 1501.57 | 582.00 | 13.89 | 37.12 | 973.16 | County | Average value of N20 screen intervals (972.99) |
| N-20 | N20-4 | Regional | 13-Aug-14 | 1501.57 | 627.00 | 13.89 | 56.57 | 973.03 | County | used for contouring. |
| N-20 | N20-5 | Regional | 13-Aug-14 | 1501.57 | 672.00 | 13.89 | 76.03 | 972.93 | County | |
| N-20 | N20-6 | Regional | 13-Aug-14 | 1501.57 | 717.00 | 13.89 | 95.50 | 972.84 | County | |

*Table 2 Well Groundwater Elevations - Westbay Multiport Wells*
*Source Area Operable Unit*
*Rockets, Flares, and Fireworks 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| EPA-MP4 | EPA-MP4A | Intermediate | 29-Aug-14 | 1457.82 | 413.00 | 13.99 | 18.08 | 1054.26 | Emhart | |
| EPA-MP4 | EPA-MP4B | Regional | 29-Aug-14 | 1457.82 | 507.00 | 13.99 | 22.89 | 971.35 | Emhart | Average value of EPA-MP4 Regional Aquifer screen intervals |
| EPA-MP4 | EPA-MP4C | Regional | 29-Aug-14 | 1457.82 | 586.00 | 13.99 | 57.04 | 971.14 | Emhart | (971.02). Average well value not used for contouring. |
| EPA-MP4 | EPA-MP4D | Regional | 29-Aug-14 | 1457.82 | 641.00 | 13.99 | 80.81 | 970.97 | Emhart | |
| EPA-MP4 | EPA-MP4E | Regional | 29-Aug-14 | 1457.82 | 753.00 | 13.99 | 129.20 | 970.61 | Emhart | |
| PW-5 | PW-5A | Regional | 28-Aug-14 | 1423.64 | 467.00 | 14.10 | 18.11 | 965.89 | Emhart | Average value of PW-5 Regional Aquifer screen intervals (966.35) |
| PW-5 | PW-5B | Regional | 28-Aug-14 | 1423.64 | 512.00 | 14.10 | 37.61 | 965.88 | Emhart | used for contouring. |
| PW-5 | PW-5C | Regional | 28-Aug-14 | 1423.64 | 557.00 | 14.10 | 57.09 | 965.82 | Emhart | |
| PW-5 | PW-5D | Regional | 28-Aug-14 | 1423.64 | 614.00 | 14.10 | 83.09 | 968.80 | Emhart | |
| PW-5 | PW-5E | Regional | 28-Aug-14 | 1423.64 | 672.00 | 14.10 | 106.74 | 965.36 | Emhart | |
| PW-6 | PW-6A | Regional | 27-Aug-14 | 1409.16 | 442.00 | 14.00 | 14.20 | 967.62 | Emhart | Average value of PW-6 Regional Aquifer screen intervals (965.47) |
| PW-6 | PW-6B | Regional | 27-Aug-14 | 1409.16 | 477.00 | 14.00 | 28.22 | 964.97 | Emhart | used for contouring. |
| PW-6 | PW-6C | Regional | 27-Aug-14 | 1409.16 | 522.00 | 14.00 | 47.74 | 965.00 | Emhart | |
| PW-6 | PW-6D | Regional | 27-Aug-14 | 1409.16 | 602.00 | 14.00 | 82.41 | 964.98 | Emhart | |
| PW-6 | PW-6E | Regional | 27-Aug-14 | 1409.16 | 657.00 | 14.00 | 106.16 | 964.77 | Emhart | |
| PW-7 | PW-7A | Regional | 27-Aug-14 | 1401.14 | 432.00 | 14.07 | 14.23 | 969.51 | Emhart | Average value of PW-7 Regional Aquifer screen intervals (961.99) |
| PW-7 | PW-7B | Regional | 27-Aug-14 | 1401.14 | 498.00 | 14.07 | 39.06 | 960.79 | Emhart | used for contouring. |
| PW-7 | PW-7C | Regional | 27-Aug-14 | 1401.14 | 568.00 | 14.07 | 69.38 | 960.74 | Emhart | |
| PW-7 | PW-7D | Regional | 27-Aug-14 | 1401.14 | 638.00 | 14.07 | 99.62 | 960.50 | Emhart | |
| PW-7 | PW-7E | Regional | 27-Aug-14 | 1401.14 | 688.00 | 14.07 | 121.24 | 960.38 | Emhart | |
| PW-7 | PW-7F | Regional | 27-Aug-14 | 1401.14 | 752.00 | 14.07 | 149.31 | 961.14 | Emhart | |
| PW-7 | PW-7G | Regional | 27-Aug-14 | 1401.14 | 817.00 | 14.07 | 177.36 | 960.85 | Emhart | |
| PW-8 | PW-8A | Intermediate | 28-Aug-14 | 1515.42 | 442.00 | 14.06 | 29.02 | 1107.93 | Emhart | |
| PW-8 | PW-8B | Regional | 28-Aug-14 | 1515.42 | 547.00 | 14.06 | 15.81 | 972.46 | Emhart | Average value of PW-8 Regional Aquifer screen intervals (972.12) |
| PW-8 | PW-8C | Regional | 28-Aug-14 | 1515.42 | 647.00 | 14.06 | 59.06 | 972.24 | Emhart | used for contouring. |
| PW-8 | PW-8D | Regional | 28-Aug-14 | 1515.42 | 722.00 | 14.06 | 91.49 | 972.05 | Emhart | |
| PW-8 | PW-8E | Regional | 28-Aug-14 | 1515.42 | 772.00 | 14.06 | 113.03 | 971.74 | 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
TOC = Top of casing

*Table 3 Sample Analysis Matrix*
*Source Area Operable Unit*
*Rockets, Flares, and Fireworks 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*
*Rockets, Flares, and Fireworks 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 | 0.31 | 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*
*Rockets, Flares, and Fireworks Superfund Site*

| Location | Date | Sample Type | 1,2-DCA | Acetone | Carbon Tetrachloride | Chloroform | MTBE | Perchlorate | TBA | Toluene | TCE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1N5W-34D2S | 5/24/2013 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | 36.6 | < 10 U | < 1.0 U | 1.3 |
| | 8/28/2014 | N | 1.2 | 6.4 J | < 1.0 U | < 1.0 U | < 1.0 U | 64.5 | < 10 U | 0.26 J | 0.63 J |
| 1N5W-34D3S | 5/24/2013 | N | < 1.0 U | 4.1 J | < 1.0 U | < 1.0 U | < 1.0 U | 59.2 | < 10 U | < 1.0 U | 1.6 |
| | 8/28/2014 | N | 0.49 J | 4.5 J | < 1.0 U | < 1.0 U | < 1.0 U | 200 | < 10 U | < 1.0 U | 1.8 |
| | 8/28/2014 | FD | 0.58 J | 6.7 J | < 1.0 U | < 1.0 U | < 1.0 U | 196 | < 10 U | < 1.0 U | 2.7 |
| EMW-01A | 5/9/2014 | N | < 2.5 U | 13.7 J | < 2.5 U | < 2.5 U | < 2.5 U | 38.0 | < 25 U | 190 | < 2.5 U |
| | 8/26/2014 | N | 1.6 | 16.2 J | < 1.0 U | < 1.0 U | < 1.0 U | 12.6 | < 10 U | 10.6 | 2.6 |
| | 8/26/2014 | FD | 1.5 | 17.6 J | < 1.0 U | < 1.0 U | < 1.0 U | 12.7 | < 10 U | 10.2 | 2.5 |
| EMW-01B | 5/9/2014 | N | 1.1 | 22.0 | < 1.0 U | < 1.0 U | < 1.0 U | 25.1 | < 10 U | 59.3 | 1.7 |
| | 8/26/2014 | N | 1.6 | 12.2 J | < 1.0 U | < 1.0 U | < 1.0 U | 3.6 | < 10 U | 154 | < 1.0 U |
| EMW-03A | 5/9/2014 | N | 0.43 J | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | 19.1 | < 10 U | 71.1 | 0.50 J |
| | 8/28/2014 | N | 1.1 | 19.1 J | < 1.0 U | < 1.0 U | < 1.0 U | 19.7 | < 10 U | 21.2 | 0.40 J |
| | 8/28/2014 | FD | 1.2 | 22.5 | < 1.0 U | < 1.0 U | < 1.0 U | 20.7 | < 10 U | 21.3 | 0.44 J |
| EMW-03B | 5/9/2014 | N | 1.6 J | < 40 U | < 2.0 U | < 2.0 U | < 2.0 U | 68.9 | < 20 U | 149 | 1.1 J |
| | 8/26/2014 | N | 1.9 | 12.4 J | < 1.0 U | < 1.0 U | < 1.0 U | 1.2 J | < 10 U | 41.2 | 0.82 J |
| EMW-03C | 5/9/2014 | N | 1.6 J | 47.9 J | < 2.5 U | < 2.5 U | < 2.5 U | 0.96 J | < 25 U | 190 | < 2.5 U |
| | 8/28/2014 | N | 1.6 | 52.2 | < 1.0 U | < 1.0 U | < 1.0 U | < 3.0 U | < 10 U | 19.5 | < 1.0 U |
| EMW-04A | 5/9/2014 | N | < 1.0 U | < 20 U | 0.41 J | < 1.0 U | < 1.0 U | 136 | < 10 U | 4.9 | 20.6 |
| | 8/28/2014 | N | 0.70 J | 15.5 J | 0.74 J | 0.23 J | < 1.0 U | 130 | < 10 U | 4.6 | 21.4 |
| EMW-04B | 5/9/2014 | N | 1.9 | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | 13.6 | < 10 U | 45.2 | 4.5 |
| | 8/26/2014 | N | 5.3 | 36.6 | < 1.0 U | < 1.0 U | < 1.0 U | 2.8 J | < 10 U | 16.6 | 2.9 |
| EMW-04C | 5/9/2014 | N | 2.2 J | < 100 U | < 5.0 U | < 5.0 U | < 5.0 U | 10.0 | < 50 U | 246 | < 5.0 U |
| | 8/26/2014 | N | 1.5 | 20.2 | < 1.0 U | < 1.0 U | < 1.0 U | < 3.0 U | < 10 U | 20.7 | 0.23 J |
| EMW-05A | 5/9/2014 | N | 0.32 J | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | 98.5 | < 10 U | 14.3 | 0.90 J |
| | 5/9/2014 | FD | 0.64 J | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | 98.8 | < 10 U | 26.1 | 0.78 J |
| | 8/29/2014 | N | 0.91 J | 9.0 J | < 1.0 U | < 1.0 U | < 1.0 U | 99.2 | < 10 U | 4.1 | 0.89 J |
| EMW-05B | 5/9/2014 | N | 0.89 J | 4.0 J | < 1.0 U | < 1.0 U | < 1.0 U | < 3.0 U | < 10 U | 15.0 | 2.0 |
| | 8/29/2014 | N | 1.3 | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | < 3.0 U | < 10 U | 3.2 | 0.61 J |
| EMW-05C | 5/9/2014 | N | 0.65 J | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | < 3.0 U | < 10 U | 41.8 | < 1.0 U |
| | 8/29/2014 | N | 0.31 J | 9.2 J | < 1.0 U | < 1.0 U | < 1.0 U | < 3.0 U | < 10 U | 4.1 | < 1.0 U |
| EPA-MP4A | 5/22/2013 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | 0.22 J | < 3.0 U | < 10 U | < 1.0 U | 0.78 J |
| | 8/29/2014 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | 3.2 | < 10 U | < 1.0 U | 0.95 J |
| EPA-MP4B | 5/22/2013 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | < 3.0 U | < 10 U | < 1.0 U | 0.68 J |
| | 8/29/2014 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | 1.4 J | < 10 U | < 1.0 U | 0.32 J |
| EPA-MP4C | 5/22/2013 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | < 3.0 U | < 10 U | < 1.0 U | 2.9 |
| | 8/29/2014 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | 0.87 J | < 10 U | < 1.0 U | 1.2 |
| | 8/29/2014 | FD | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | < 3.0 U | < 10 U | < 1.0 U | 1.5 |

*Table 4* *Groundwater Summary Table*
*Source Area Operable Unit*
*Rockets, Flares, and Fireworks Superfund Site*

| Location | Date | Sample Type | 1,2-DCA | Acetone | Carbon Tetrachloride | Chloroform | MTBE | Perchlorate | TBA | Toluene | TCE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| EPA-MP4D | 5/22/2013 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **5.5** | < 10 U | < 1.0 U | **4.3** |
| | 5/22/2013 | FD | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **5.4** | < 10 U | < 1.0 U | **6.0** |
| | 8/29/2014 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **0.92** J | < 10 U | < 1.0 U | **6.0** |
| EPA-MP4E | 5/22/2013 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | < 3.0 U | < 10 U | < 1.0 U | < 1.0 U |
| | 5/22/2013 | FD | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | < 3.0 U | < 10 U | < 1.0 U | < 1.0 U |
| | 8/29/2014 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | < 3.0 U | < 10 U | < 1.0 U | < 1.0 U |
| EPA-MW9A | 5/24/2013 | N | **0.95** J | **7.7** J | < 1.0 U | < 1.0 U | < 1.0 U | **199** | < 10 U | **20.5** | **7.5** |
| | 8/28/2014 | N | **4.8** | **24.3** | < 1.0 U | < 1.0 U | < 1.0 U | **2.1** J | < 10 U | **192** | < 1.0 U |
| EPA-MW9B | 5/24/2013 | N | < 1.0 U | **5.3** J | < 1.0 U | < 1.0 U | < 1.0 U | < 3.0 U | < 10 U | < 1.0 U | < 1.0 U |
| | 8/28/2014 | N | **0.26** J | **10.0** J | < 1.0 U | < 1.0 U | < 1.0 U | < 3.0 U | < 10 U | **0.55** J | < 1.0 U |
| PW-2 | 5/24/2013 | N | **1.2** | **4.3** J | < 1.0 U | **0.51** J | **0.29** J | **59.1** | < 10 U | < 1.0 U | **91.4** |
| | 8/28/2014 | N | < 1.0 U | < 20 U | < 1.0 U | **0.61** J | **0.25** J | **22.4** | < 10 U | < 1.0 U | **111** |
| PW-3 | 5/24/2013 | N | < 1.0 U | < 20 U | < 1.0 U | **2.2** | < 1.0 U | **32.0** | < 10 U | < 1.0 U | **15.9** |
| | 8/28/2014 | N | < 1.0 U | < 20 U | < 1.0 U | **1.5** | < 1.0 U | **28.5** | < 10 U | < 1.0 U | **11.5** |
| PW-4 | 5/24/2013 | N | **0.39** J | **6.6** J | < 1.0 U | < 1.0 U | < 1.0 U | **18.3** | < 10 U | < 1.0 U | **13.1** |
| | 8/28/2014 | N | < 1.0 U | **5.3** J | < 1.0 U | < 1.0 U | < 1.0 U | **23.3** | < 10 U | < 1.0 U | **28.9** |
| PW-5A | 5/21/2013 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **169** | < 10 U | < 1.0 U | **0.26** J |
| | 8/28/2014 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **101** | < 10 U | < 1.0 U | **2.7** |
| PW-5B | 5/21/2013 | N | < 1.0 U | < 20 U | < 1.0 U | **0.23** J | < 1.0 U | **192** | **2.9** J | < 1.0 U | **31.4** |
| | 8/28/2014 | N | < 1.0 U | < 20 U | < 1.0 U | **0.34** J | < 1.0 U | **136** | < 10 U | < 1.0 U | **36.3** |
| PW-5C | 5/21/2013 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **140** | < 10 U | < 1.0 U | **21.2** |
| | 8/28/2014 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **153** | < 10 U | < 1.0 U | **19.8** |
| PW-5D | 5/21/2013 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **908** | < 10 U | < 1.0 U | **21.0** |
| | 8/28/2014 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **666** | < 10 U | < 1.0 U | **21.9** |
| PW-5E | 5/21/2013 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **274** | < 10 U | < 1.0 U | **4.4** |
| | 8/28/2014 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **299** | < 10 U | < 1.0 U | **6.9** |
| PW-6A | 5/21/2013 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **54.1** | < 10 U | < 1.0 U | **1.5** |
| PW-6B | 5/21/2013 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **59.2** | < 10 U | < 1.0 U | **2.7** |
| | 8/27/2014 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **123** | < 10 U | < 1.0 U | **4.4** |
| PW-6C | 5/21/2013 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **18.1** | < 10 U | < 1.0 U | **0.93** J |
| | 8/27/2014 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **42.5** | < 10 U | < 1.0 U | **4.1** |
| PW-6D | 5/21/2013 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **197** | < 10 U | < 1.0 U | **3.1** |
| | 8/27/2014 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **420** | < 10 U | < 1.0 U | **9.1** |
| PW-6E | 5/21/2013 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | < 3.0 U | < 10 U | < 1.0 U | < 1.0 U |
| | 5/21/2013 | FD | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | < 3.0 U | < 10 U | < 1.0 U | < 1.0 U |
| | 8/27/2014 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | < 3.0 U | < 10 U | < 1.0 U | < 1.0 U |
| PW-7B | 5/23/2013 | N | < 1.0 U | < 20 U | < 1.0 U | **0.28** J | < 1.0 U | **3.1** | < 10 U | < 1.0 U | < 1.0 U |
| | 8/27/2014 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **4.0** | < 10 U | < 1.0 U | **0.89** J |

*Table 4* *Groundwater Summary Table*
*Source Area Operable Unit*
*Rockets, Flares, and Fireworks Superfund Site*

| Location | Date | Sample Type | 1,2-DCA | Acetone | Carbon Tetrachloride | Chloroform | MTBE | Perchlorate | TBA | Toluene | TCE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PW-7C | 5/23/2013 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **7.6** | < 10 U | < 1.0 U | **0.66** J |
| | 5/23/2013 | FD | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | < 3.0 U | < 10 U | < 1.0 U | **0.65** J |
| | 8/27/2014 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **6.2** | < 10 U | < 1.0 U | **1.1** |
| PW-7D | 5/22/2013 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | < 3.0 U | < 10 U | < 1.0 U | **0.24** J |
| | 8/27/2014 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **1.1** J | < 10 U | < 1.0 U | < 1.0 U |
| PW-7E | 5/22/2013 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **49.9** | < 10 U | < 1.0 U | **4.5** |
| | 8/27/2014 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **33.0** | < 10 U | < 1.0 U | **3.9** |
| PW-7F | 5/22/2013 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **26.7** | < 10 U | < 1.0 U | **0.85** J |
| | 8/27/2014 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **31.7** | < 10 U | < 1.0 U | **0.75** J |
| PW-7G | 5/22/2013 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | < 3.0 U | < 10 U | < 1.0 U | < 1.0 U |
| | 8/27/2014 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **4.6** | < 10 U | < 1.0 U | < 1.0 U |
| PW-8A | 5/23/2013 | N | < 1.0 U | < 20 U | **0.20** J | **0.32** J | < 1.0 U | **73.2** | < 10 U | < 1.0 U | **29.3** |
| | 8/28/2014 | N | < 1.0 U | < 20 U | **0.25** J | **0.32** J | < 1.0 U | **150** | < 10 U | < 1.0 U | **22.6** |
| PW-8B | 5/23/2013 | N | < 1.0 U | < 20 U | < 1.0 U | **0.24** J | < 1.0 U | **109** | < 10 U | < 1.0 U | **26.6** |
| | 8/28/2014 | N | < 1.0 U | < 20 U | < 1.0 U | **0.38** J | < 1.0 U | **88.0** | < 10 U | < 1.0 U | **34.5** |
| PW-8C | 5/23/2013 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **18.3** | < 10 U | < 1.0 U | **0.52** J |
| | 8/28/2014 | N | < 1.0 J, UJ | < 20 J, UJ | < 1.0 J, UJ | < 1.0 J, UJ | < 1.0 J, UJ | **44.0** | < 10 J, UJ | < 1.0 J, UJ | **0.54** J |
| PW-8D | 5/23/2013 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | < 3.0 U | < 10 U | < 1.0 U | < 1.0 U |
| | 8/28/2014 | N | < 1.0 U, UJ | < 20 U, UJ | < 1.0 U, UJ | < 1.0 U, UJ | < 1.0 U, UJ | < 3.0 U | < 10 U, UJ | < 1.0 U, UJ | < 1.0 U, UJ |
| | 8/28/2014 | FD | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | < 3.0 U | < 10 U | < 1.0 U | < 1.0 U |
| PW-8E | 5/23/2013 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | < 3.0 U | < 10 U | < 1.0 U | < 1.0 U |
| | 8/28/2014 | N | < 1.0 U | < 20 U | < 1.0 U | < 1.0 U | < 1.0 U | **0.81** J | < 10 U | < 1.0 U | < 1.0 U |
| RIALTO_ROD_MCL | | | NS | NS | 0.5 | 80.0 | NS | 6.0 | NS | NS | 5.0 |

**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.
U = Nondetected
UJ = Nondetected sample result qualified as estimated.

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

*Appendix A*

*Data Provided by San Bernardino County*

**Geo-Logic**
ASSOCIATES
**Geologists, Hydrogeologists, and Engineers**

# GROUNDWATER MONITORING PROGRAM
# WATER LEVEL SURVEY RECORD SHEET

Site RIALTO PERCHLORATE

Project No.: 2013.0100

Date Aug. 11, 2014

Field Personnel AS, BS, MC, NR



| WELL I.D. | CONSTRUCTED TOTAL DEPTH (TD) | ACTUAL TOTAL DEPTH (TD) | DEPTH TO WATER (DTW) | COMMENTS |
|---|---|---|---|---|
| B-14 | 480 | | 434.30 | |
| B-22 | 440 | | 423.02 | |
| B-23D | 665 | | 436.06 | |
| B-23S | 490 | | 446.76 | |
| F6A-2 | 500 | | 463.17 | |
| F6A-4 | 437 | | 412.95 | |
| M-1D | 535 | | 465.51 | |
| M-1S | 458 | 455.65 | Dry | |
| M-2 | Label format: M2-1 | | See Field | Sheet |
| M-3 | Label format: M3-1 | | See Field | Sheet |
| M-4D | 590 | | N/A | No Access |
| M-4S | 470 | | N/A | No Access |
| M-5 | Label format: M5-1 | | See Field | Sheet |
| M-6 | Label format: M6-1 | | See Field | Sheet |
| MIRO-2 | | | 454.87 | |
| MIRO-3 | | | 451.64 | |
| N1-2 | 501 | | 494.31 | |
| N1-4 | 425 | 425.20 | 421.88 | Not Sampled - Insufficient $H_2O$ = 0.32' |
| N2-2 | 502 | ~~446.00~~ | 447.51 | |
| N2-4 | 445 | 446.00 | 445.20 | Not Sampled - Insufficient $H_2O$ = 0.78 |

REMARKS:

Geo-Logic
ASSOCIATES
Geologists, Hydrogeologists, and Engineers

# GROUNDWATER MONITORING PROGRAM
# WATER LEVEL SURVEY RECORD SHEET

Site RIALTO PERCHLORATE

Project No.: 2013.0100

Date Aug. 11, 2014

Field Personnel AS, BS, MC, DR



| WELL I.D. | CONSTRUCTED TOTAL DEPTH (TD) | ACTUAL TOTAL DEPTH (TD) | DEPTH TO WATER (DTW) | COMMENTS |
|---|---|---|---|---|
| N3-2 | 555 | 554.90 | Dry | |
| N3-4 | 462 | | 419.44 | |
| N4-2 | 631 | | 436.94 | |
| N4-4 | 515 | 513.00 | Dry | |
| N-5 | 472 | | 422.23 | |
| N6-2 | 534 | 533.85 | Dry | |
| N6-4 | 432 | | 415.08 | |
| N7-2 | 530 | 530.25 | Dry | |
| N7-4 | 410 | | 390.23 | |
| N8-2 | 527 | 521.65 | Dry | |
| N8-4 | 461 | | 404.74 | |
| N9-2 | 530 | 530.15 | Dry | |
| N9-4 | 470 | 469.30 | Dry | |
| N10-2 | 435 | | 401.28 | |
| N10-4 | 556 | | 512.15 | |
| N11-2 | 413 | | 389.53 | |
| N11-4 | 495 | 487.75 | Dry | |
| N-12 | 438 | | 397.53 | |
| N13-2 | 388 | | 376.11 | |
| N13-4 | 570 | | 501.41 | |

REMARKS:

Geo-Logic
ASSOCIATES
Geologists, Hydrogeologists, and Engineers

# GROUNDWATER MONITORING PROGRAM
# WATER LEVEL SURVEY RECORD SHEET

Site RIALTO PERCHLORATE

Project No.: 2013.0100

Date Aug. 11, 2014

Field Personnel AS, BS, MC, NR



| WELL I.D. | CONSTRUCTED TOTAL DEPTH (TD) | ACTUAL TOTAL DEPTH (TD) | DEPTH TO WATER (DTW) | COMMENTS |
|---|---|---|---|---|
| N14-2 | 438 | 436.80 | Dry | |
| N14-4 | 580 | | 454.78 | |
| N15-2 | 405 | 403.30 | Dry | |
| N15-4 | 640 | | 413.19 | |
| N16-B | 445 | | 381.55 | |
| N16-C1 | 560 | | 382.72 | |
| N16-C2 | 599 | | 381.95 | |
| N17-B | 405 | | 353.72 | |
| N17-C1 | 490 | | 364.24 | |
| N17-C2 | 590 | | 458.15 | |
| N18-B | 390 | | 347.57 | |
| N18-C1 | 490 | | 346.31 | |
| N18-C2 | 580 | | 457.49 | |
| N19R-B | 460 | | 412.73 | |
| N19R-C1 | 624 | | 624.82 | |
| N19R-C2 | 690 | | 607.13 | |
| N-20 | Label format: N20-1 | | See westbury field sheet | |
| S-2 -2 | 496 | 301.95 | dry | |
| S-2-4 | | | 325.62 | |
| | | | | |

REMARKS:

Westbay Instruments Inc.
A Schlumberger Company

# Groundwater Sampling
## Field Data Sheet

Project: GLA Rialto
Monitoring Well No: M-2
Sampling Zone No(s):

Date: 8/13/14
Start Time: 0800
End Time: 1130
Technicians: DMJ/BS

Ambient 13.98

| Zone No. | Run No. | Surface Function Tests (probe in flushing collar) | | | | | | Position Sampler | Sample Collection Checks (probe located at sampling zone in MP casing) | | | | | | | | Comments (~~volume retrieved~~ time) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Shoe Out | Close Valve | Check Vacuum | Open Valve | Evacuate Container | Close Valve | Locate port (✓) Arm out (✓) Land probe (✓) | Pressure in MP (✓) | Shoe Out | Zone Pressure (✓) | Open Valve | Zone Pressure (psi) | Close Valve | Shoe In | Pressure in MP (psi) | |
| 7 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 675/685 | 136.05 | ✓ | 123.80 | ✓ | 123.81 | ✓ | ✓ | 136.06 | 0825 |
| | | DECON | | | | | | | | | | | | | | | |
| 6 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 636/645 | 118.65 | ✓ | 106.52 | ✓ | 106.52 | ✓ | ✓ | 118.63 | 0852 |
| | | DECON | | | | | | | | | | | | | | | |
| 5 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 581/588 | 94.71 | ✓ | 82.73 | ✓ | 82.73 | ✓ | ✓ | 94.69 | 0918 |
| | | DECON | | | | | | | | | | | | | | | |
| 4 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 531/538 | 72.88 | ✓ | 61.09 | ✓ | 61.09 | ✓ | ✓ | 72.88 | 0940 |
| | | DECON | | | | | | | | | | | | | | | |
| 3 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 506/513 | 61.98 | ✓ | 50.27 | ✓ | 50.27 | ✓ | ✓ | 61.98 | 1004 |
| | | DECON | | | | | | | | | | | | | | | |
| 2 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 452/458 | 38.03 | ✓ | 26.44 | ✓ | 26.44 | ✓ | ✓ | 38.03 | 1030 |
| | | DECON | | | | | | | | | | | | | | | |
| 1 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 407/413 | 18.43 | ✓ | 14.12 | ✓ | 14.09 | ✓ | ✓ | 18.44 | 1050 DRY |
| | | All samples collected 8/13/14 | | | | | | | | | | | | | | | |
| | | zone 1 Dry (no samples) | | | | | | | | | | | | | | | |

Additional Comments: (pH, Turbidity, S.C., etc.)

Westbay Instruments Inc.
A Schlumberger Company

# Groundwater Sampling
## Field Data Sheet

Project: GLA ~~Mid Valley~~ Ranch
Monitoring Well No: M-3
Sampling Zone No(s): 1-7

Date: 8/11/14
Start Time: 0800
End Time: 1300
Technicians: DMJ/BS

Ambient 13.86

| Zone No. | Run No. | Surface Function Tests (probe in flushing collar) | | | | | | Position Sampler | Sample Collection Checks (probe located at sampling zone in MP casing) | | | | | | | | Comments (volume retrieved) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Shoe Out | Close Valve | Check Vacuum | Open Valve | Evacuate Container | Close Valve | Locate port (✓) Arm out (✓) Land probe (✓) | Pressure in MP ( ) | Shoe Out | Zone Pressure ( ) | Open Valve | Zone Pressure ( ) | Close Valve | Shoe In | Pressure in MP ( ) | |
| 7 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 664/674 | 98.61 | ✓ | 89.27 | ✓ | 89.27 | ✓ | ✓ | 98.62 | 1000 |
| | | — | DECON | — | | | | | | | | | | | | | |
| 5 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 630/624 | 76.81 | ✓ | 67.68 | ✓ | 67.68 | ✓ | ✓ | 76.83 | 1035 |
| | | — | DECON | — | | | | | 83.29 | | 74.18 | | | | | | |
| 6 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 617/624 | ~~76.76~~ | ✓ | ~~67.72~~ | ✓ | 74.19 | ✓ | ✓ | 83.29 | 1108 |
| | | — | DECON | — | | | | | | | | | | | | | |
| 4 | 1 | ✓ | ✓ | ✓ | | | | 576/582 | 59.28 | ✓ | 50.38 | ✓ | 50.40 | ✓ | ✓ | 59.34 | 1138 |
| | | — | DECON | — | | | | | | | | | | | | | |
| 3 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 555/564 | 50.61 | ✓ | 41.73 | ✓ | 41.73 | ✓ | ✓ | 50.61 | 1204 |
| | | — | DECON | — | | | | | | | | | | | | | |
| 2 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 526/534 | 37.57 | ✓ | 29.58 | ✓ | 29.57 | ✓ | ✓ | 37.50 | 1235 |
| | | — | DECON | — | | | | | | | | | | | | | |
| 1 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 495/503 | 24.43 | ✓ | 16.65 | ✓ | 16.65 | ✓ | ✓ | 24.44 | 1257 |
| | | — | DECON | — | | | | | | | | | | | | | |
| | | sampling completed | | | | | | 8/11/14 | | | | | | | | | |

Additional Comments: (pH, Turbidity, S.C., etc.)

Westbay Instruments Inc.
A Schlumberger Company

# Groundwater Sampling
## Field Data Sheet

Project: M-5 / Rialto
Monitoring Well No:
Sampling Zone No(s): 1-7

Date: 8/12/14
Start Time: 1115
End Time: 1600
Technicians: DMJ / BS

Ambient 13.93

| Zone No. | Run No. | Surface Function Tests (probe in flushing collar) | | | | | | Position Sampler | Sample Collection Checks (probe located at sampling zone in MP casing) | | | | | | | | Comments (volume retrieved) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Shoe Out | Close Valve | Check Vacuum | Open Valve | Evacuate Container | Close Valve | Locate port (✓) Arm out (✓) Land probe (✓) | Pressure in MP (✓) | Shoe Out | Zone Pressure (✓) | Open Valve | Zone Pressure (✓) | Close Valve | Shoe In | Pressure in MP (✓) | |
| 7 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 720/729 | 179.71 | ✓ | 124.53 | ✓ | 124.52 | ✓ | ✓ | 179.37 | 1145 |
| | — | DECON | | | | | | | | | | | | | | | |
| 6 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 675/685 | 159.93 | ✓ | 105.04 | ✓ | 105.06 | ✓ | ✓ | 159.94 | 1217 |
| | — | DECON | | | | | | | | | | | | | | | |
| 5 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 636/645 | 142.41 | ✓ | 87.79 | ✓ | 87.79 | ✓ | ✓ | 142.41 | 1245 |
| | — | DECON | | | | | | | | | | | | | | | |
| 4 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 591/580 | 114.07 | ✓ | 59.66 | ✓ | 59.66 | ✓ | ✓ | 114.11 | 1310 |
| | — | DECON | | | | | | | | | | | | | | | |
| 3 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 526/534 | 94.46 | ✓ | 40.21 | ✓ | 40.23 | ✓ | ✓ | 94.47 | 1340 |
| | — | DECON | | | | | | | | | | | | | | | |
| 2 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 471/478 | 70.48 | ✓ | 16.67 | ✓ | 16.62 | ✓ | ✓ | 70.51 | 1520 |
| | — | DECON | | | | | | | | | | | | | | | |
| 1 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 366/373 | 24.78 | ✓ | 23.04 | ✓ | 23.05 | ✓ | ✓ | 24.73 | 1545 |
| | — | DECON | | | | | | | | | | | | | | | |
| All sampling completed 8/12/14 | | | | | | | | | | | | | | | | | |

Additional Comments: (pH, Turbidity, S.C., etc.)

Westbay Instruments Inc.
A Schlumberger Company

# Groundwater Sampling
## Field Data Sheet

Project: M-6/Rialto
Monitoring Well No:
Sampling Zone No(s): 1-7

Date: 8/11/14 - 8/12/14
Start Time: 1400
End Time:
Technicians: DMJ/BS

ambient 13.93

| Zone No. | Run No. | Surface Function Tests (probe in flushing collar): Shoe Out | Close Valve | Check Vacuum | Open Valve | Evacuate Container | Close Valve | Position Sampler: Locate port (✓) Arm out (✓) Land probe (✓) | Sample Collection Checks (probe located at sampling zone in MP casing): Pressure in MP (✓) | Shoe Out | Zone Pressure (✓) | Open Valve | Zone Pressure (✓) | Close Valve | Shoe In | Pressure in MP (✓) | Comments (volume retrieved) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 731/749 | 139.69 | ✓ | 123.73 | ✓ | 123.72 | ✓ | ✓ | 139.70 | 1427 |
| | | — DECON — | | | | | | | | | | | | | | | |
| 6 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 691/709 | 122.23 | ✓ | 106.46 | ✓ | 106.45 | ✓ | ✓ | 122.24 | 1500 |
| | | — DECON — | | | | | | | | | | | | | | | |
| 5 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 631/635 | 96.12 | ✓ | 80.53 | ✓ | 80.54 | ✓ | ✓ | 96.13 | 1525 |
| | | — DECON — | | | | | | | | | | | | | | | |
| 8/12 4 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 591/597 | 78.70 | ✓ | 63.25 | ✓ | 63.25 | ✓ | ✓ | 78.72 | 0824 |
| | | — DECON — | | | | | | | | | | | | | | | |
| 3 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 541/547 | 56.96 | ✓ | 41.63 | ✓ | 41.63 | ✓ | ✓ | 56.87 | 0852 |
| | | — DECON — | | | | | | | | | | | | | | | |
| 2 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 480/487 | 30.84 | ✓ | 15.64 | ✓ | 15.43 | ✓ | ✓ | 30.78 | 0920 |
| | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | /487 | 30.81 | ✓ | 15.64 | ✓ | 15.61 | ✓ | ✓ | 30.73 | 0945 |
| | | — DECON — | | | | | | | | | | | | | | | |
| 1 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 390/396 | 14.11 | ✓ | 17.58 | ✓ | 17.57 | ✓ | ✓ | 14.15 | 1011 |
| | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | /397 | 14.11 | ✓ | 17.58 | ✓ | 17.57 | ✓ | ✓ | | |
| | | | | | | | | | | | | | | | | | |
| | | All sampling completed 8/12/14 | | | | | | | | | | | | | | | |

Additional Comments: (pH, Turbidity, S.C., etc.)

Westbay Instruments Inc.
A Schlumberger Company

# Groundwater Sampling
## Field Data Sheet

Project: GLA Rialto
Monitoring Well No: #1-6
Sampling Zone No(s): N-20

Date: 8/13/14
Start Time: 1130
End Time:
Technicians:

Ambient 13.89

| Zone No. | Run No. | Surface Function Tests (probe in flushing collar) | | | | | | Position Sampler | Sample Collection Checks (probe located at sampling zone in MP casing) | | | | | | | | Comments ~~(volume retrieved)~~ time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Shoe Out | Close Valve | Check Vacuum | Open Valve | Evacuate Container | Close Valve | Locate port (✓) Arm out (✓) Land probe (✓) | Pressure in MP (PSI) | Shoe Out | Zone Pressure (PSI) | Open Valve | Zone Pressure (PSI) | Close Valve | Shoe In | Pressure in MP (PSI) | |
| 6 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 720/722 | 123.18 | ✓ | 95.50 | ✓ | 95.50 | ✓ | ✓ | 123.11 | 1159 |
| | — DECON — | | | | | | | | | | | | | | | | |
| 5 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 675/676 | 103.51 | ✓ | 76.03 | ✓ | 76.03 | ✓ | ✓ | 103.51 | 1222 |
| | — DECON — | | | | | | | | | | | | | | | | |
| 4 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 629/631 | 83.88 | ✓ | 56.56 | ✓ | 56.57 | ✓ | ✓ | 83.90 | 1247 |
| | — DECON — | | | | | | | | | | | | | | | | |
| 3 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 582/586 | 64.36 | ✓ | 37.11 | ✓ | 37.12 | ✓ | ✓ | 64.30 | 1313 |
| | — DECON — | | | | | | | | | | | | | | | | |
| 2 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 442/445 | 14.10 | ✓ | 13.83 | ✓ | 13.72 | ✓ | ✓ | 14.10 | 1336 Dry |
| | — DECON | | | | | | | | | | | | | | | | |
| 1 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 387/388 | 14.09 | ✓ | 22.40 | ✓ | 22.38 | ✓ | ✓ | 14.10 | 1400 |
| | — DECON — | | | | | | | | | | | | | | | | |
| | All samples collected on 8/13/14 | | | | | | | | | | | | | | | | |
| | zone 2 Dry (no sample) | | | | | | | | | | | | | | | | |

Additional Comments: (pH, Turbidity, S.C., etc.)

Date of Report: 07/14/2014

Jason Sapp

Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

| | |
|---|---|
| Client Project: | 2013-0100 |
| BCL Project: | Rialto Perchlorate Investigaton |
| BCL Work Order: | 1415368 |
| Invoice ID: | B177894 |

Enclosed are the results of analyses for samples received by the laboratory on 7/9/2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Tina Green
Client Services Manager

Authorized Signature



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*
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BC Laboratories, Inc.

# Chain of Custody Form

Report To:
Client: GeoLogic Associates
Attn: Ralph Murphy
Street Address: 1831 Commercenter East
City, State, Zip: San Bernardino, Ca 92408
Phone: 909 383-8728 Fax: 909 383-8732
Email Address:
Work Order #: 14-153168

Project #: 2013-0106
Project Name: Rialto Perchlorate
Sampler(s): M. Campbell

Page 1 of 1

Analysis Requested

Comments: 24 Hour turnaround

| Sample # | Description | Date Sampled | Time Sampled | VOCs, 524.2, EDB, 1,2,3-TCP, DBCP, 1,4-Dioxane, TBA, 1,2,4-TMB, 1,3,5-TMB | Perchlorate/EPA 314.0 | Soil | Sludge | Drinking Water | Ground Water | Waste Water | Other | Turnaround # of work days* | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -1 | N17-C1-5A | 7/8/14 | 10:50 | X | X | X | | | X | | | | |
| -2 | N17-C1-10A | | 12:30 | X | X | X | | | X | | | | |
| -3 | N17-C1-20A | | 14:40 | X | X | X | | | X | | | | |
| -4 | QCAB | | — | X | X | | | | | | X | | |
| -5 | ~~QCEB~~ QCEB | | — | X | X | | | | | | X | | |
| -6 | QCTB | | — | X | X | | | | | | X | | |
| -7 | N17-C1-23.5A | | 15.35 | X | X | X | | | X | | | | |

Sample Matrix: Lab D.I H2O

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☒ No

* Standard Turnaround = 10 work days

SHORT HOLDING TIME
$Cr^{+6}$ $NO_2$ $NO_3$ OP SS
DO Cl2 BOD MBAS COT
CHK BY DISTRIBUTION
SUB-OUT

Billing ☒ Same as above
Client:
Address:
City: State Zip
Attn:
PO#:

EDF Required? Geotracker ☒ Yes ☐ No
Send Copy to State of CA? (EDT) ☐ Yes ☒ No

Global ID (Needed for EDF)
System # (Needed for EDT)

| Relinquished By | Date | Time | Received By | Date | Time |
|---|---|---|---|---|---|
| 1. Michael Garfield | 7-8-14 | 16:30 | 1. [illegible] | 7/9/14 | 1250 |
| 2. [illegible] | 7/9/14 | 1630 | 2. [illegible] | 7/9/14 | 1630 |
| 3. | | | 3. | | |

BC Laboratories, Inc. – 4100 Atlas Ct. – Bakersfield, CA 93308 – 661.327.4911 – Fax: 661.327.1918 – www.bclabs.com

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**Chain of Custody and Cooler Receipt Form for 1415368 Page 2 of 2**

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 17 06/05/14 Page 1 Of 1

Submission #: 14.15368

**SHIPPING INFORMATION**
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

**FREE LIQUID**
YES ☐ NO ☐

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: 8oz. pl Thermometer ID: 201 Date/Time 7/9/14

Temperature: (A) 0.5 °C / (C) 0.7 °C Analyst Init MGM 1630

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT GENERAL MINERAL/ GENERAL ~~PP~~PE UNPRESERVED 8oz | B | B | B | | | | B | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT TOX | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | A2 | | | | |
| 40ml VOA VIAL | A3 | A3 | A3 | A2 | A2 | | A3 | | | |
| QT EPA 413.1, 413.2, 418.1 | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608/8080 | | | | | | | | | | |
| QT EPA 515.1/8150 | | | | | | | | | | |
| QT EPA 525 | | | | | | | | | | |
| QT EPA 525 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz Amber EPA 548 | | | | | | | | | | |
| QT EPA 549 | | | | | | | | | | |
| QT EPA 632 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT AMBER | | | | | | | | | | |
| 8 OZ. JAR | | | | | | | | | | |
| 32 OZ. JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| Summa Canister | | | | | | | | | | |

Comments:
Sample Numbering Completed By: MJ Date/Time: 7-9-14 1720 [S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC16
A – Actual / C – Corrected

Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| **1415368-01** | **COC Number:** | --- | **Receive Date:** | 07/09/2014 16:30 |
| | **Project Number:** | --- | **Sampling Date:** | 07/08/2014 10:50 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | N17-C1-5A | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |
| **1415368-02** | **COC Number:** | --- | **Receive Date:** | 07/09/2014 16:30 |
| | **Project Number:** | --- | **Sampling Date:** | 07/08/2014 12:30 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | N17-C1-10A | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |
| **1415368-03** | **COC Number:** | --- | **Receive Date:** | 07/09/2014 16:30 |
| | **Project Number:** | --- | **Sampling Date:** | 07/08/2014 14:40 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | N17-C1-20A | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |
| **1415368-04** | **COC Number:** | --- | **Receive Date:** | 07/09/2014 16:30 |
| | **Project Number:** | --- | **Sampling Date:** | 07/08/2014 00:00 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | QCAB | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |
| **1415368-05** | **COC Number:** | --- | **Receive Date:** | 07/09/2014 16:30 |
| | **Project Number:** | --- | **Sampling Date:** | 07/08/2014 00:00 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | QCEB | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |
| **1415368-06** | **COC Number:** | --- | **Receive Date:** | 07/09/2014 16:30 |
| | **Project Number:** | --- | **Sampling Date:** | 07/08/2014 00:00 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | QCTB | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Blank Water |
| **1415368-07** | **COC Number:** | --- | **Receive Date:** | 07/09/2014 16:30 |
| | **Project Number:** | --- | **Sampling Date:** | 07/08/2014 15:35 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | N17-C1-235A | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1415368-01 | **Client Sample Name:** N17-C1-5A, 7/8/2014 10:50:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| **Dichlorodifluoromethane** | **1.6** | **ug/L** | **0.50** | **0.099** | **EPA-524.2** | ND | **V11** | 1 |
| **1,1-Dichloroethane** | **0.67** | **ug/L** | **0.50** | **0.11** | **EPA-524.2** | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| **1,2-Dichloropropane** | **0.14** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | **J** | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1415368-01 | **Client Sample Name:** N17-C1-5A, 7/8/2014 10:50:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| **Tetrachloroethene** | **4.1** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| **Trichloroethene** | **0.16** | **ug/L** | **0.50** | **0.085** | **EPA-524.2** | ND | **J** | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1415368-01 | **Client Sample Name:** N17-C1-5A, 7/8/2014 10:50:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 110 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 101 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 91.3 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 07/10/14 | 07/10/14 16:02 | JCC | MS-V14 | 1 | BXG0629 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1415368-01 | **Client Sample Name:** N17-C1-5A, 7/8/2014 10:50:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **2.1** | **ug/L** | **4.0** | **0.45** | **EPA-314.0** | ND | **J** | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 07/09/14 | 07/10/14 10:16 | LD1 | IC6 | 1 | BXG0899 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1415368-02 | **Client Sample Name:** N17-C1-10A, 7/8/2014 12:30:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| **Dichlorodifluoromethane** | **1.7** | **ug/L** | **0.50** | **0.099** | **EPA-524.2** | ND | **V11** | 1 |
| **1,1-Dichloroethane** | **0.65** | **ug/L** | **0.50** | **0.11** | **EPA-524.2** | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| **1,2-Dichloropropane** | **0.15** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | **J** | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1415368-02 | **Client Sample Name:** N17-C1-10A, 7/8/2014 12:30:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| **Tetrachloroethene** | **4.4** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| **Trichloroethene** | **0.20** | **ug/L** | **0.50** | **0.085** | **EPA-524.2** | ND | **J** | 1 |
| **Trichlorofluoromethane** | **0.24** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | **J** | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1415368-02 | **Client Sample Name:** N17-C1-10A, 7/8/2014 12:30:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 112 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 101 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 91.8 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 07/10/14 | 07/10/14 16:24 | JCC | MS-V14 | 1 | BXG0629 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1415368-02 | **Client Sample Name:** N17-C1-10A, 7/8/2014 12:30:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Perchlorate | ND | ug/L | 4.0 | 0.45 | EPA-314.0 | ND | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 07/09/14 | 07/10/14 11:11 | LD1 | IC6 | 1 | BXG0899 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1415368-03 | **Client Sample Name:** N17-C1-20A, 7/8/2014 2:40:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| **Dichlorodifluoromethane** | **1.7** | **ug/L** | **0.50** | **0.099** | **EPA-524.2** | ND | **V11** | 1 |
| **1,1-Dichloroethane** | **0.74** | **ug/L** | **0.50** | **0.11** | **EPA-524.2** | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| **1,2-Dichloropropane** | **0.13** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | **J** | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1415368-03 | **Client Sample Name:** N17-C1-20A, 7/8/2014 2:40:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| **Tetrachloroethene** | **6.7** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| **Trichloroethene** | **0.44** | **ug/L** | **0.50** | **0.085** | **EPA-524.2** | ND | **J** | 1 |
| **Trichlorofluoromethane** | **0.98** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1415368-03 | **Client Sample Name:** N17-C1-20A, 7/8/2014 2:40:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 110 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 100 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 92.8 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 07/10/14 | 07/10/14 16:46 | JCC | MS-V14 | 1 | BXG0629 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1415368-03 | **Client Sample Name:** N17-C1-20A, 7/8/2014 2:40:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Perchlorate | ND | ug/L | 4.0 | 0.45 | EPA-314.0 | ND | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 07/09/14 | 07/10/14 12:34 | LD1 | IC6 | 1 | BXG0899 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1415368-04 | **Client Sample Name:** QCAB, 7/8/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| **Chloroform** | **0.98** | **ug/L** | **0.50** | **0.12** | **EPA-524.2** | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | V11 | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1415368-04 | **Client Sample Name:** QCAB, 7/8/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| **Tetrachloroethene** | **0.69** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Trichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1415368-04 | **Client Sample Name:** QCAB, 7/8/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 108 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 101 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 92.5 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 07/10/14 | 07/10/14 15:17 | JCC | MS-V14 | 1 | BXG0629 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1415368-05 | **Client Sample Name:** QCEB, 7/8/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| **Chloroform** | **0.71** | **ug/L** | **0.50** | **0.12** | **EPA-524.2** | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | V11 | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1415368-05 | **Client Sample Name:** QCEB, 7/8/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| **Tetrachloroethene** | **0.38** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | **J** | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Trichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1415368-05 | **Client Sample Name:** QCEB, 7/8/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 112 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 100 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 90.9 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 07/10/14 | 07/10/14 15:39 | JCC | MS-V14 | 1 | BXG0629 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1415368-06 | **Client Sample Name:** QCTB, 7/8/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | V11 | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1415368-06 | **Client Sample Name:** QCTB, 7/8/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Trichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1415368-06 | **Client Sample Name:** QCTB, 7/8/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 111 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 101 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 91.6 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 07/10/14 | 07/10/14 14:10 | JCC | MS-V14 | 1 | BXG0629 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1415368-07 | **Client Sample Name:** N17-C1-235A, 7/8/2014 3:35:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| **Dichlorodifluoromethane** | **1.8** | **ug/L** | **0.50** | **0.099** | **EPA-524.2** | ND | **V11** | 1 |
| **1,1-Dichloroethane** | **0.70** | **ug/L** | **0.50** | **0.11** | **EPA-524.2** | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1415368-07 | **Client Sample Name:** N17-C1-235A, 7/8/2014 3:35:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| **Tetrachloroethene** | **6.7** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| **Trichloroethene** | **0.38** | **ug/L** | **0.50** | **0.085** | **EPA-524.2** | ND | **J** | 1 |
| **Trichlorofluoromethane** | **1.0** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1415368-07 | **Client Sample Name:** N17-C1-235A, 7/8/2014 3:35:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 115 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 102 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 91.1 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 07/10/14 | 07/10/14 17:09 | JCC | MS-V14 | 1 | BXG0629 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1415368-07 | **Client Sample Name:** N17-C1-235A, 7/8/2014 3:35:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Perchlorate | ND | ug/L | 4.0 | 0.45 | EPA-314.0 | ND | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 07/09/14 | 07/10/14 13:39 | LD1 | IC6 | 1 | BXG0899 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXG0629** | | | | | | |
| Benzene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.083 | |
| Bromobenzene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| Bromochloromethane | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.24 | |
| Bromodichloromethane | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.14 | |
| Bromoform | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.27 | |
| Bromomethane | BXG0629-BLK1 | ND | ug/L | 1.0 | 0.25 | |
| n-Butylbenzene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| sec-Butylbenzene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| tert-Butylbenzene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| Carbon tetrachloride | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.18 | |
| Chlorobenzene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.093 | |
| Chloroethane | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.14 | |
| Chloroform | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| Chloromethane | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.14 | |
| 2-Chlorotoluene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.20 | |
| 4-Chlorotoluene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| Dibromochloromethane | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| 1,2-Dibromo-3-chloropropane | BXG0629-BLK1 | ND | ug/L | 1.0 | 0.44 | |
| 1,2-Dibromoethane | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.16 | |
| Dibromomethane | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.24 | |
| 1,2-Dichlorobenzene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.072 | |
| 1,3-Dichlorobenzene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| 1,4-Dichlorobenzene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.062 | |
| Dichlorodifluoromethane | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.099 | |
| 1,1-Dichloroethane | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| 1,2-Dichloroethane | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.17 | |
| 1,1-Dichloroethene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.18 | |
| cis-1,2-Dichloroethene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.085 | |
| trans-1,2-Dichloroethene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| 1,2-Dichloropropane | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| 1,3-Dichloropropane | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.086 | |
| 2,2-Dichloropropane | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| 1,1-Dichloropropene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.085 | |
| cis-1,3-Dichloropropene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.14 | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXG0629** | | | | | | |
| trans-1,3-Dichloropropene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.079 | |
| Ethylbenzene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.098 | |
| Hexachlorobutadiene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.17 | |
| Isopropylbenzene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.14 | |
| p-Isopropyltoluene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| Methylene chloride | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.48 | |
| Methyl t-butyl ether | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| Naphthalene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.36 | |
| n-Propylbenzene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| Styrene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.068 | |
| 1,1,1,2-Tetrachloroethane | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.18 | |
| 1,1,2,2-Tetrachloroethane | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.17 | |
| Tetrachloroethene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| Toluene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.093 | |
| 1,2,3-Trichlorobenzene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.16 | |
| 1,2,4-Trichlorobenzene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.19 | |
| 1,1,1-Trichloroethane | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| 1,1,2-Trichloroethane | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.16 | |
| Trichloroethene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.085 | |
| Trichlorofluoromethane | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| 1,2,3-Trichloropropane | BXG0629-BLK1 | ND | ug/L | 1.0 | 0.24 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| 1,2,4-Trimethylbenzene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| 1,3,5-Trimethylbenzene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| Vinyl chloride | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| Acetone | BXG0629-BLK1 | ND | ug/L | 10 | 4.6 | |
| Acrylonitrile | BXG0629-BLK1 | ND | ug/L | 5.0 | 1.2 | |
| Allyl chloride | BXG0629-BLK1 | ND | ug/L | 5.0 | 0.80 | |
| t-Amyl Methyl ether | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.25 | |
| t-Butyl alcohol | BXG0629-BLK1 | ND | ug/L | 10 | 9.4 | |
| Carbon disulfide | BXG0629-BLK1 | ND | ug/L | 1.0 | 0.38 | |
| trans-1,4-Dichloro-2-butene | BXG0629-BLK1 | ND | ug/L | 5.0 | 1.4 | |
| Diisopropyl ether | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.23 | |
| Ethyl methacrylate | BXG0629-BLK1 | ND | ug/L | 4.0 | 0.97 | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXG0629** | | | | | | |
| Ethyl t-butyl ether | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.18 | |
| 2-Hexanone | BXG0629-BLK1 | ND | ug/L | 10 | 3.4 | |
| Methacrylonitrile | BXG0629-BLK1 | ND | ug/L | 10 | 1.7 | |
| Methyl ethyl ketone | BXG0629-BLK1 | ND | ug/L | 10 | 2.5 | |
| Methyl iodide | BXG0629-BLK1 | ND | ug/L | 2.0 | 0.47 | |
| Methyl isobutyl ketone | BXG0629-BLK1 | ND | ug/L | 10 | 2.1 | |
| Methyl methacrylate | BXG0629-BLK1 | ND | ug/L | 5.0 | 1.5 | |
| Nitrobenzene | BXG0629-BLK1 | ND | ug/L | 30 | 13 | |
| Pentachloroethane | BXG0629-BLK1 | ND | ug/L | 2.0 | 0.43 | |
| Propionitrile | BXG0629-BLK1 | ND | ug/L | 20 | 4.2 | |
| Tetrahydrofuran | BXG0629-BLK1 | ND | ug/L | 20 | 5.2 | |
| p- & m-Xylenes | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.28 | |
| o-Xylene | BXG0629-BLK1 | ND | ug/L | 0.50 | 0.082 | |
| **1,2-Dichloroethane-d4 (Surrogate)** | **BXG0629-BLK1** | **106** | % | **75 - 125 (LCL - UCL)** | | |
| **Toluene-d8 (Surrogate)** | **BXG0629-BLK1** | **101** | % | **80 - 120 (LCL - UCL)** | | |
| **4-Bromofluorobenzene (Surrogate)** | **BXG0629-BLK1** | **92.6** | % | **80 - 120 (LCL - UCL)** | | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXG0629** | | | | | | | | | | |
| Benzene | BXG0629-BS1 | LCS | 26.336 | 25.000 | ug/L | 105 | | 70 - 130 | | |
| Bromodichloromethane | BXG0629-BS1 | LCS | 24.925 | 25.000 | ug/L | 99.7 | | 70 - 130 | | |
| Chlorobenzene | BXG0629-BS1 | LCS | 23.983 | 25.000 | ug/L | 95.9 | | 70 - 130 | | |
| Chloroethane | BXG0629-BS1 | LCS | 24.514 | 25.000 | ug/L | 98.1 | | 70 - 130 | | |
| 1,4-Dichlorobenzene | BXG0629-BS1 | LCS | 25.403 | 25.000 | ug/L | 102 | | 70 - 130 | | |
| 1,1-Dichloroethane | BXG0629-BS1 | LCS | 26.783 | 25.000 | ug/L | 107 | | 70 - 130 | | |
| 1,1-Dichloroethene | BXG0629-BS1 | LCS | 29.209 | 25.000 | ug/L | 117 | | 70 - 130 | | |
| Toluene | BXG0629-BS1 | LCS | 24.669 | 25.000 | ug/L | 98.7 | | 70 - 130 | | |
| Trichloroethene | BXG0629-BS1 | LCS | 28.936 | 25.000 | ug/L | 116 | | 70 - 130 | | |
| 1,2-Dichloroethane-d4 (Surrogate) | BXG0629-BS1 | LCS | 10.230 | 10.000 | ug/L | 102 | | 75 - 125 | | |
| Toluene-d8 (Surrogate) | BXG0629-BS1 | LCS | 9.9700 | 10.000 | ug/L | 99.7 | | 80 - 120 | | |
| 4-Bromofluorobenzene (Surrogate) | BXG0629-BS1 | LCS | 10.030 | 10.000 | ug/L | 100 | | 80 - 120 | | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXG0629** | Used client sample: N | | | | | | | | | | |
| Benzene | MS | 1411671-75 | ND | 26.306 | 25.000 | ug/L | | 105 | | 70 - 130 | |
| | MSD | 1411671-75 | ND | 27.072 | 25.000 | ug/L | 2.9 | 108 | 20 | 70 - 130 | |
| Bromodichloromethane | MS | 1411671-75 | ND | 24.799 | 25.000 | ug/L | | 99.2 | | 70 - 130 | |
| | MSD | 1411671-75 | ND | 25.874 | 25.000 | ug/L | 4.2 | 103 | 20 | 70 - 130 | |
| Chlorobenzene | MS | 1411671-75 | ND | 23.959 | 25.000 | ug/L | | 95.8 | | 70 - 130 | |
| | MSD | 1411671-75 | ND | 24.310 | 25.000 | ug/L | 1.5 | 97.2 | 20 | 70 - 130 | |
| Chloroethane | MS | 1411671-75 | ND | 24.719 | 25.000 | ug/L | | 98.9 | | 70 - 130 | |
| | MSD | 1411671-75 | ND | 25.186 | 25.000 | ug/L | 1.9 | 101 | 20 | 70 - 130 | |
| 1,4-Dichlorobenzene | MS | 1411671-75 | ND | 25.336 | 25.000 | ug/L | | 101 | | 70 - 130 | |
| | MSD | 1411671-75 | ND | 25.592 | 25.000 | ug/L | 1.0 | 102 | 20 | 70 - 130 | |
| 1,1-Dichloroethane | MS | 1411671-75 | ND | 26.666 | 25.000 | ug/L | | 107 | | 70 - 130 | |
| | MSD | 1411671-75 | ND | 27.548 | 25.000 | ug/L | 3.3 | 110 | 20 | 70 - 130 | |
| 1,1-Dichloroethene | MS | 1411671-75 | ND | 28.855 | 25.000 | ug/L | | 115 | | 70 - 130 | |
| | MSD | 1411671-75 | ND | 29.639 | 25.000 | ug/L | 2.7 | 119 | 20 | 70 - 130 | |
| Toluene | MS | 1411671-75 | ND | 24.492 | 25.000 | ug/L | | 98.0 | | 70 - 130 | |
| | MSD | 1411671-75 | ND | 25.146 | 25.000 | ug/L | 2.6 | 101 | 20 | 70 - 130 | |
| Trichloroethene | MS | 1411671-75 | ND | 29.685 | 25.000 | ug/L | | 119 | | 70 - 130 | |
| | MSD | 1411671-75 | ND | 30.059 | 25.000 | ug/L | 1.3 | 120 | 20 | 70 - 130 | |
| 1,2-Dichloroethane-d4 (Surrogate) | MS | 1411671-75 | ND | 10.550 | 10.000 | ug/L | | 106 | | 75 - 125 | |
| | MSD | 1411671-75 | ND | 10.390 | 10.000 | ug/L | 1.5 | 104 | | 75 - 125 | |
| Toluene-d8 (Surrogate) | MS | 1411671-75 | ND | 10.040 | 10.000 | ug/L | | 100 | | 80 - 120 | |
| | MSD | 1411671-75 | ND | 10.110 | 10.000 | ug/L | 0.7 | 101 | | 80 - 120 | |
| 4-Bromofluorobenzene (Surrogate) | MS | 1411671-75 | ND | 9.9400 | 10.000 | ug/L | | 99.4 | | 80 - 120 | |
| | MSD | 1411671-75 | ND | 9.9200 | 10.000 | ug/L | 0.2 | 99.2 | | 80 - 120 | |

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| | |
|---|---|
| Geologic Associates<br>1831 Commercenter East<br>San Bernardino, CA 92408 | **Reported:** 07/14/2014 11:30<br>Project: Rialto Perchlorate Investigaton<br>Project Number: 2013-0100<br>Project Manager: Jason Sapp |

# Water Analysis (General Chemistry)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXG0899** | | | | | | |
| Perchlorate | BXG0899-BLK1 | ND | ug/L | 4.0 | 0.45 | |

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| | |
|---|---|
| Geologic Associates<br>1831 Commercenter East<br>San Bernardino, CA 92408 | **Reported:** 07/14/2014 11:30<br>Project: Rialto Perchlorate Investigaton<br>Project Number: 2013-0100<br>Project Manager: Jason Sapp |

# Water Analysis (General Chemistry)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXG0899** | | | | | | | | | | |
| Perchlorate | BXG0899-BS1 | LCS | 10.822 | 10.000 | ug/L | 108 | | 85 - 115 | | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 07/14/2014 11:30
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXG0899** | Used client sample: N | | | | | | | | | | |
| **Perchlorate** | DUP | **1415297-01** | **2.8523** | **2.1013** | | **ug/L** | **30.3** | | **15** | | **J,A02** |
| | MS | **1415297-01** | **2.8523** | **13.165** | **10.101** | **ug/L** | | **102** | | **80 - 120** | |
| | MSD | **1415297-01** | **2.8523** | **12.446** | **10.101** | **ug/L** | **5.6** | **95.0** | **15** | **80 - 120** | |

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| | |
|---|---|
| Geologic Associates<br>1831 Commercenter East<br>San Bernardino, CA 92408 | **Reported:** 07/14/2014 11:30<br>Project: Rialto Perchlorate Investigaton<br>Project Number: 2013-0100<br>Project Manager: Jason Sapp |

## Notes And Definitions

| | |
|---|---|
| J | Estimated Value (CLP Flag) |
| MDL | Method Detection Limit |
| ND | Analyte Not Detected at or above the reporting limit |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| A02 | The difference between duplicate readings is less than the PQL. |
| V11 | The Continuing Calibration Verification (CCV) recovery is not within established control limits. |

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**BC Laboratories, Inc.**
Environmental Testing Laboratory Since 1949

Date of Report: 07/12/J014

Gason Sapp

Aeologic 8ssociates
13C1 Bommercenter East
San dernar, inoPB8 9J403

| | |
|---|---|
| Blient j ro-ect: | J01CW100 |
| dBL j ro-ect: | Rialto j erculorate qnvestigaton |
| dBL k orOh r, er: | 14122J1 |
| qnvoice qD: | d1731J7 |

Enclose, are tue res. lts of analyses for samples receive, by tue laboratory on 7/10/J014I qf yo. uave any 5. estions concerning tuis reportPplease feel free to contact meI

SincerelyP

Bontact j erson: Tina Areen
Blient Services z anager

8. tuori6e, Signat. re

Bertifications: B8 EL8j M113#; NV MB800014; h R EL8j M40CJW001; 8K UST101

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**Sample Information**

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**Sample Results**

**1415531681 6 - 106C365N**

Volatile h rganic 8nalysis (Ej 8 z etuo, 2J4IJ)..... #
k ater 8nalysis (Aeneral Buemistry)..... 9

**1415531683 6 - 106C3618N**

Volatile h rganic 8nalysis (Ej 8 z etuo, 2J4IJ)..... 10
k ater 8nalysis (Aeneral Buemistry)..... 1C

**1415531687 6 - 106C3671N**

Volatile h rganic 8nalysis (Ej 8 z etuo, 2J4IJ)..... 14
k ater 8nalysis (Aeneral Buemistry)..... 17

**1415531684 6 ACN2**

Volatile h rganic 8nalysis (Ej 8 z etuo, 2J4IJ)..... 13

**1415531685 6 ACQ2**

Volatile h rganic 8nalysis (Ej 8 z etuo, 2J4IJ)..... J1

**14155316 8B 6 ACT2**

Volatile h rganic 8nalysis (Ej 8 z etuo, 2J4IJ)..... J4

**AualitE Control Reports**

**y olatile V rOanig NnalEsis cQ( N P etMbh 534c8.**

z etuo, dlanO8nalysis..... J7
Laboratory Bontrol Sample..... C0
j recision an, 8cc. racy..... C1

**) ater NnalEsis dWeneral CMemistrE.**

z etuo, dlanO8nalysis..... CJ
Laboratory Bontrol Sample..... CC
j recision an, 8cc. racy..... C4

**- otes**

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BC Laboratories, Inc.

# Chain of Custody Form

**RUSH!**

Page 1 of 1

Report To:
Client: Geologic Associates
Attn: Ralph Murphy
Street Address: 1831 Commercenter East
City, State, Zip: San Bernardino, Ca 92408
Phone: 909 383-8728 Fax: 909 383-8730
Email Address:
Work Order #: 14-1552(

Project #: 2013-0100
Project Name: Rialto Perchlorate
Sampler(s): M. Campbell

Analysis Requested

Comments: 24 hour turnaround

| Sample # | Description | Date Sampled | Time Sampled | VOCs (EPA 524.2) Expanded List | TAME, TBA, ETBE, DIPE, 1,1,2-TCA, 1,2-DCA, 1,2,3-TCP | Perchlorate (EPA 314.0) | Sample Matrix: Soil | Sludge | Drinking Water | Ground Water | Waste Water | Other | Turnaround # of work days* | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -1 | N17-C2-5A | 7/9/14 | 0930 | X | X | X | | | | X | | | | |
| -2 | N17-C2-10A | | 11:10 | X | X | X | | | | X | | | | |
| -3 | N17-C2-31A | | 15:57 | X | X | X | | | | X | | | | |
| -4 | QCAB | | — | X | X | | | | | | | X | | |
| -5 | QCEB | | — | X | X | | | | | | | X | | |
| -6 | QCTB | | — | X | X | | | | | | | X | | |

Lab O.T. LCO

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☒ No

* Standard Turnaround = 10 work days

CHK BY: MM

DISTRIBUTION: MM

SUB-OUT ☐

**Billing** ☒ Same as above
Client:
Address:
City: State Zip
Attn:
PO#:

EDF Required? Geotracker ☒ Yes ☐ No
Send Copy to State of CA? (EDT) ☐ Yes ☒ No

Global ID (Needed for EDF)
System # (Needed for EDT)

| Relinquished By | Date | Time | Received By | Date | Time |
|---|---|---|---|---|---|
| 1. Michael Campbell | 7-9-14 | 1700 | 1. [illegible] | 7-10-14 | 0800 |
| 2. [illegible] | 7-10-14 | 1525 | 2. [illegible] | 7/10/14 | 1525 |
| 3. | | | 3. | | |

BC Laboratories, Inc. – 4100 Atlas Ct. – Bakersfield, CA 93308 – 661.327.4911 – Fax: 661.327.1918 – www.bclabs.com

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BC LABORATORIES INC. **COOLER RECEIPT FORM** Rev. No. 17 06/05/14 Page 1 Of 1

Submission #: 14-15521

**SHIPPING INFORMATION**
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

**FREE LIQUID**
YES ☐ NO ☐

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

**COC Received** ☒ YES ☐ NO

Emissivity: 0.97 Container: 8oz-PE Thermometer ID: 207 Date/Time 7/10/14
Temperature: (A) 0.3 °C / (C) 0.5 °C Analyst Init MAM 1525

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT GENERAL MINERAL/ GENERAL | | | | | | | | | | |
| ~~PT~~ PE UNPRESERVED 8oz | B | B | B | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT TOX | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | A2 | | | | |
| 40ml VOA VIAL | A3 | A3 | A3 | A2 | A2 | ( ) | ( ) | ( ) | ( ) | ( ) |
| QT EPA 413.1, 413.2, 418.1 | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608/8080 | | | | | | | | | | |
| QT EPA 515.1/8150 | | | | | | | | | | |
| QT EPA 525 | | | | | | | | | | |
| QT EPA 525 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz Amber EPA 548 | | | | | | | | | | |
| QT EPA 549 | | | | | | | | | | |
| QT EPA 632 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT AMBER | | | | | | | | | | |
| 8 OZ. JAR | | | | | | | | | | |
| 32 OZ. JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| Summa Canister | | | | | | | | | | |

Comments:_____
Sample Numbering Completed By: MM Date/Time: 7/10/14 1703 [S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC16
A = Actual / C = Corrected

Aeologic 8ssociates
13C1 Bommercenter East
San dernar, inoPB8 9J403

**ReportehF** 07/12/J014 1#:4#
j ro-ect: Rialto j erculorate qnvestigaton
j ro-ect N. mber: J01CW100
j ro-ect z anager: Gason Sapp

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| 1415531681 | **CVC - umberF** | WWW | **Regeij e v ateF** | 07/10/J014 12:J2 |
| | **( rolegt - umberF** | WWW | **SamplinO v ateF** | 07/09/J014 09:C0 |
| | **SamplinO : ogationF** | WWW | **Sample v eptMF** | WWW |
| | **SamplinO ( ointF** | N17W3JW28 | **: ab P atriDF** | k ater |
| | **Sampleh 2 EF** | WWW | **Sample TEpeF** | Aro. n, water |
| 1415531683 | **CVC - umberF** | WWW | **Regeij e v ateF** | 07/10/J014 12:J2 |
| | **( rolegt - umberF** | WWW | **SamplinO v ateF** | 07/09/J014 11:10 |
| | **SamplinO : ogationF** | WWW | **Sample v eptMF** | WWW |
| | **SamplinO ( ointF** | N17W3JW08 | **: ab P atriDF** | k ater |
| | **Sampleh 2 EF** | WWW | **Sample TEpeF** | Aro. n, water |
| 1415531687 | **CVC - umberF** | WWW | **Regeij e v ateF** | 07/10/J014 12:J2 |
| | **( rolegt - umberF** | WWW | **SamplinO v ateF** | 07/09/J014 12:27 |
| | **SamplinO : ogationF** | WWW | **Sample v eptMF** | WWW |
| | **SamplinO ( ointF** | N17W3JWC18 | **: ab P atriDF** | k ater |
| | **Sampleh 2 EF** | WWW | **Sample TEpeF** | Aro. n, water |
| 1415531684 | **CVC - umberF** | WWW | **Regeij e v ateF** | 07/10/J014 12:J2 |
| | **( rolegt - umberF** | WWW | **SamplinO v ateF** | 07/09/J014 00:00 |
| | **SamplinO : ogationF** | WWW | **Sample v eptMF** | WWW |
| | **SamplinO ( ointF** | QB8d | **: ab P atriDF** | k ater |
| | **Sampleh 2 EF** | WWW | **Sample TEpeF** | Aro. n, water |
| 1415531685 | **CVC - umberF** | WWW | **Regeij e v ateF** | 07/10/J014 12:J2 |
| | **( rolegt - umberF** | WWW | **SamplinO v ateF** | 07/09/J014 00:00 |
| | **SamplinO : ogationF** | WWW | **Sample v eptMF** | WWW |
| | **SamplinO ( ointF** | QBEd | **: ab P atriDF** | k ater |
| | **Sampleh 2 EF** | WWW | **Sample TEpeF** | Aro. n, water |
| 14155316 8B | **CVC - umberF** | WWW | **Regeij e v ateF** | 07/10/J014 12:J2 |
| | **( rolegt - umberF** | WWW | **SamplinO v ateF** | 07/09/J014 00:00 |
| | **SamplinO : ogationF** | WWW | **Sample v eptMF** | WWW |
| | **SamplinO ( ointF** | QBTd | **: ab P atriDF** | k ater |
| | **Sampleh 2 EF** | WWW | **Sample TEpeF** | dlanOk ater |

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A eologic 8 ssociates
13C1 Bommercenter East
San d ernar, inoPB8 9J403

**ReportehF** 07/12/J014 1#:4#
j ro-ect: Rialto j erculorate qnvestigaton
j ro-ect N. mber: J01CW100
j ro-ect z anager: Gason Sapp

# y olatile VrOanig NnalEsis cQ( N P etMoh 534d3.

**2 C: Sample Iv F** 14122J1W71 | **Client Sample - ameF** N17W3JV28 P7/9/J014 9:C0:008 z

| Constituent | Result | x nits | ( A: | P v: | P etMoh | P 2 2 ias | : ab Auals | Run U |
|---|---|---|---|---|---|---|---|---|
| d en6ene | ND | . g/L | 0I20 | 0I03C | Ej 8 V2J4IJ | ND | | 1 |
| d romoben6ene | ND | . g/L | 0I20 | 0I1C | Ej 8 V2J4IJ | ND | | 1 |
| d romoculorometuane | ND | . g/L | 0I20 | 0IJ4 | Ej 8 V2J4IJ | ND | | 1 |
| d romo, iculorometuane | ND | . g/L | 0I20 | 0I14 | Ej 8 V2J4IJ | ND | | 1 |
| d romoform | ND | . g/L | 0I20 | 0IJ7 | Ej 8 V2J4IJ | ND | | 1 |
| d romometuane | ND | . g/L | 1I0 | 0IJ2 | Ej 8 V2J4IJ | ND | | 1 |
| n W. tylben6ene | ND | . g/L | 0I20 | 0I11 | Ej 8 V2J4IJ | ND | | 1 |
| sec W. tylben6ene | ND | . g/L | 0I20 | 0I12 | Ej 8 V2J4IJ | ND | | 1 |
| tert W. tylben6ene | ND | . g/L | 0I20 | 0I1C | Ej 8 V2J4IJ | ND | | 1 |
| Barbon tetraculori, e | ND | . g/L | 0I20 | 0I13 | Ej 8 V2J4IJ | ND | | 1 |
| Buloroben6ene | ND | . g/L | 0I20 | 0I09C | Ej 8 V2J4IJ | ND | | 1 |
| Buloroetuane | ND | . g/L | 0I20 | 0I14 | Ej 8 V2J4IJ | ND | | 1 |
| Buloroform | ND | . g/L | 0I20 | 0I1J | Ej 8 V2J4IJ | ND | | 1 |
| Bulorometuane | ND | . g/L | 0I20 | 0I14 | Ej 8 V2J4IJ | ND | | 1 |
| J W Bulorotol. ene | ND | . g/L | 0I20 | 0IJ0 | Ej 8 V2J4IJ | ND | | 1 |
| 4 W Bulorotol. ene | ND | . g/L | 0I20 | 0I12 | Ej 8 V2J4IJ | ND | | 1 |
| Dibromoculorometuane | ND | . g/L | 0I20 | 0I1C | Ej 8 V2J4IJ | ND | | 1 |
| 1 F W Dibromo W W uloropropane | ND | . g/L | 1I0 | 0I44 | Ej 8 V2J4IJ | ND | | 1 |
| 1 F W Dibromoetuane | ND | . g/L | 0I20 | 0I1# | Ej 8 V2J4IJ | ND | | 1 |
| Dibromometuane | ND | . g/L | 0I20 | 0IJ4 | Ej 8 V2J4IJ | ND | | 1 |
| 1 F W Diculoroben6ene | ND | . g/L | 0I20 | 0I07J | Ej 8 V2J4IJ | ND | | 1 |
| 1 F W Diculoroben6ene | ND | . g/L | 0I20 | 0I12 | Ej 8 V2J4IJ | ND | | 1 |
| 1 F W Diculoroben6ene | ND | . g/L | 0I20 | 0I0#J | Ej 8 V2J4IJ | ND | | 1 |
| **v igMorohifluorometMane** | **3d** | **uO#** | **8d58** | **8d8/ /** | **Q( N6534d3** | ND | | 1 |
| **19I6v igMoroetMane** | **8dB/** | **uO#** | **8d58** | **8d1 1** | **Q( N6534d3** | ND | | 1 |
| 1 F W Diculoroetuane | ND | . g/L | 0I20 | 0I17 | Ej 8 V2J4IJ | ND | | 1 |
| 1 F W Diculoroetuene | ND | . g/L | 0I20 | 0I13 | Ej 8 V2J4IJ | ND | | 1 |
| cis W F W Diculoroetuene | ND | . g/L | 0I20 | 0I032 | Ej 8 V2J4IJ | ND | | 1 |
| trans W F W Diculoroetuene | ND | . g/L | 0I20 | 0I12 | Ej 8 V2J4IJ | ND | | 1 |
| **1986v igMoropropane** | **8d14** | **uO#** | **8d58** | **8d17** | **Q( N6534d3** | ND | , | 1 |
| 1 F W Diculoropropane | ND | . g/L | 0I20 | 0I03# | Ej 8 V2J4IJ | ND | | 1 |
| J F W Diculoropropane | ND | . g/L | 0I20 | 0I1C | Ej 8 V2J4IJ | ND | | 1 |
| 1 F W Diculoropropene | ND | . g/L | 0I20 | 0I032 | Ej 8 V2J4IJ | ND | | 1 |

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**ReportehF** 07/12/J014 1#:4#
j ro-ect: Rialto j erculorate qnvestigaton
j ro-ect N. mber: J01CW100
j ro-ect z anager: Gason Sapp

# y olatile VrOanig NnalEsis cQ( N P etMoh 534d3.

**2 C: Sample Iv F** 14122J1W71 | **Client Sample - ameF** N17W3JV28P7/9/J014 9:C0:008z

| Constituent | Result | x nits | ( A: | P v: | P etMoh | P 2 2 ias | : ab Auals | Run U |
|---|---|---|---|---|---|---|---|---|
| cisWFCWiculoropropene | ND | . g/L | 0I20 | 0I14 | Ej 8 W2J4IJ | ND | | 1 |
| transWFCWiculoropropene | ND | . g/L | 0I20 | 0I079 | Ej 8 W2J4IJ | ND | | 1 |
| Etuylben6ene | ND | . g/L | 0I20 | 0I093 | Ej 8 W2J4IJ | ND | | 1 |
| Hexaculorob. ta, iene | ND | . g/L | 0I20 | 0I17 | Ej 8 W2J4IJ | ND | | 1 |
| qsopropylben6ene | ND | . g/L | 0I20 | 0I14 | Ej 8 W2J4IJ | ND | | 1 |
| pWqsopropyltol. ene | ND | . g/L | 0I20 | 0I1J | Ej 8 W2J4IJ | ND | | 1 |
| z etuylene culori, e | ND | . g/L | 0I20 | 0I43 | Ej 8 W2J4IJ | ND | | 1 |
| z etuyl tWv. tyl etuer | ND | . g/L | 0I20 | 0I11 | Ej 8 W2J4IJ | ND | | 1 |
| Naputualene | ND | . g/L | 0I20 | 0IC# | Ej 8 W2J4IJ | ND | | 1 |
| nWropylben6ene | ND | . g/L | 0I20 | 0I11 | Ej 8 W2J4IJ | ND | | 1 |
| Styrene | ND | . g/L | 0I20 | 0I0#3 | Ej 8 W2J4IJ | ND | | 1 |
| 1F1F1F3WetraculoroetuaneF | ND | . g/L | 0I20 | 0I13 | Ej 8 W2J4IJ | ND | | 1 |
| 1F1F2F3WetraculoroetuaneF | ND | . g/L | 0I20 | 0I17 | Ej 8 W2J4IJ | ND | | 1 |
| **TetragMoroetMene** | **1d5** | **uO#** | **8d58** | **8d17** | **Q( N6534d3** | ND | | 1 |
| Tol. ene | ND | . g/L | 0I20 | 0I09C | Ej 8 W2J4IJ | ND | | 1 |
| 1F3FCWriculoroben6ene | ND | . g/L | 0I20 | 0I1# | Ej 8 W2J4IJ | ND | | 1 |
| 1F3F4Wriculoroben6ene | ND | . g/L | 0I20 | 0I19 | Ej 8 W2J4IJ | ND | | 1 |
| 1F1F1Wriculoroetuane | ND | . g/L | 0I20 | 0I11 | Ej 8 W2J4IJ | ND | | 1 |
| 1F1F2Wriculoroetuane | ND | . g/L | 0I20 | 0I1# | Ej 8 W2J4IJ | ND | | 1 |
| **TrigMoroetMene** | **8d15** | **uO#** | **8d58** | **8d8J5** | **Q( N6534d3** | ND | , | 1 |
| Triculorofl. orometuane | ND | . g/L | 0I20 | 0I1C | Ej 8 W2J4IJ | ND | | 1 |
| 1F2FCWriculoropropane | ND | . g/L | 1I0 | 0IJ4 | Ej 8 W2J4IJ | ND | | 1 |
| 1F1F2WriculoroWF2FWifl. oroetuane | ND | . g/L | 0I20 | 0I12 | Ej 8 W2J4IJ | ND | | 1 |
| 1F3F4Wrimetuylben6ene | ND | . g/L | 0I20 | 0I1J | Ej 8 W2J4IJ | ND | | 1 |
| 1FC2Wrimetuylben6ene | ND | . g/L | 0I20 | 0I1J | Ej 8 W2J4IJ | ND | | 1 |
| Vinyl culori, e | ND | . g/L | 0I20 | 0I1J | Ej 8 W2J4IJ | ND | | 1 |
| 8cetone | ND | . g/L | 10 | 4I# | Ej 8 W2J4IJ | ND | | 1 |
| 8crylonitrile | ND | . g/L | 2I0 | 1IJ | Ej 8 W2J4IJ | ND | | 1 |
| 8llyl culori, e | ND | . g/L | 2I0 | 0I30 | Ej 8 W2J4IJ | ND | | 1 |
| tWmyl z etuyl etuer | ND | . g/L | 0I20 | 0IJ2 | Ej 8 W2J4IJ | ND | | 1 |
| tWv. tyl alcouol | ND | . g/L | 10 | 9I4 | Ej 8 W2J4IJ | ND | | 1 |
| Barbon , is. lfi, e | ND | . g/L | 1I0 | 0IC3 | Ej 8 W2J4IJ | ND | | 1 |
| transWF4WiculoroWWv. tene | ND | . g/L | 2I0 | 1I4 | Ej 8 W2J4IJ | ND | | 1 |

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**ReportehF** 07/12/J014 1#:4#
j ro-ect: Rialto j erculorate qnvestigaton
j ro-ect N. mber: J01CW100
j ro-ect z anager: Gason Sapp

# y olatile V rOanig NnalEsis cQ( N P etMoh 534d3.

**2 C: Sample Iv F** 14122J1W71 | **Client Sample - ameF** N17W3JV28 P7/9/J014 9:C0:008 z

| Constituent | Result | x nits | ( A: | P v: | P etMoh | P 2 2 ias | : ab Auals | Run U |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl etuer | ND | . g/L | 0I20 | 0IJC | Ej 8 W2J4IJ | ND | | 1 |
| Etuyl metuacrylate | ND | . g/L | 4I0 | 0I97 | Ej 8 W2J4IJ | ND | | 1 |
| Etuyl tW. tyl etuer | ND | . g/L | 0I20 | 0I13 | Ej 8 W2J4IJ | ND | | 1 |
| JWexanone | ND | . g/L | 10 | CI4 | Ej 8 W2J4IJ | ND | | 1 |
| z etuacrylonitrile | ND | . g/L | 10 | 1I7 | Ej 8 W2J4IJ | ND | | 1 |
| z etuyl etuyl Oetone | ND | . g/L | 10 | JI2 | Ej 8 W2J4IJ | ND | | 1 |
| z etuyl io, i, e | ND | . g/L | JI0 | 0I47 | Ej 8 W2J4IJ | ND | | 1 |
| z etuyl isob. tyl Oetone | ND | . g/L | 10 | JI1 | Ej 8 W2J4IJ | ND | | 1 |
| z etuyl metuacrylate | ND | . g/L | 2I0 | 1I2 | Ej 8 W2J4IJ | ND | | 1 |
| Nitroben6ene | ND | . g/L | C0 | 1C | Ej 8 W2J4IJ | ND | | 1 |
| j entaculoroetuane | ND | . g/L | JI0 | 0I4C | Ej 8 W2J4IJ | ND | | 1 |
| j ropionitrile | ND | . g/L | J0 | 4IJ | Ej 8 W2J4IJ | ND | | 1 |
| **TetraMEhrofuran** | **118** | **uO#** | **38** | **5d3** | **Q( N6534d3** | ND | | 1 |
| pW& mWXylenes | ND | . g/L | 0I20 | 0IJ3 | Ej 8 W2J4IJ | ND | | 1 |
| oWXylene | ND | . g/L | 0I20 | 0I03J | Ej 8 W2J4IJ | ND | | 1 |
| 1F1W2iculoroetuaneW4 (S. rrogate) | 109 | % | 72 WIJ2 (LBL WUBL) | | Ej 8 W2J4IJ | | | 1 |
| Tol. eneW3 (S. rrogate) | 99I1 | % | 30 WIJ0 (LBL WUBL) | | Ej 8 W2J4IJ | | | 1 |
| 4WromofI. oroben6ene (S. rrogate) | 9CI1 | % | 30 WIJ0 (LBL WUBL) | | Ej 8 W2J4IJ | | | 1 |

| Run U | P etMoh | ( rep v ate | Run v ate#Time | NnalEst | Instrument | v ilution | AC 2 atgMIv |
|---|---|---|---|---|---|---|---|
| 1 | Ej 8 W2J4IJ | 07/10/14 | 07/11/14 1C:2C | GBB | z SW14 | 1 | dXA03C9 |

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# ) ater NnalEsis dWeneral CMemistrE.

| 2C: Sample lvF | 14122J1W71 | Client Sample - ameF | N17WBJW28P7/9/J014 9:C0:008z |
|---|---|---|---|

| Constituent | Result | xnits | ( A: | Pv: | PetMoh | P2 2ias | : ab Auals | Run U |
|---|---|---|---|---|---|---|---|---|
| j erculorate | ND | . g/L | 4I0 | 0I42 | Ej 8WC14I0 | ND | | 1 |

| Run U | PetMoh | ( rep vate | Run vate#Time | NnalEst | Instrument | vilution | AC 2atgMIv |
|---|---|---|---|---|---|---|---|
| 1 | Ej 8WC14I0 | 07/10/14 | 07/10/14 JJ:4# | h LH | qB# | 1 | dXA11#3 |

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**ReportehF** 07/12/J014 1#:4#
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j ro-ect N. mber: J01CW100
j ro-ect z anager: Gason Sapp

# y olatile VrOanig NnalEsis cQ( N P etMoh 534d3.

**2 C: Sample Iv F** 14122J1W0J | **Client Sample - ameF** N17WBJW108 P7/9/J014 11:10:008 z

| Constituent | Result | x nits | ( A: | P v: | P etMoh | P 2 2 ias | : ab Auals | Run U |
|---|---|---|---|---|---|---|---|---|
| d en6ene | ND | . g/L | 0I20 | 0I03C | Ej 8 W2J4IJ | ND | | 1 |
| d romoben6ene | ND | . g/L | 0I20 | 0I1C | Ej 8 W2J4IJ | ND | | 1 |
| d romoculorometuane | ND | . g/L | 0I20 | 0IJ4 | Ej 8 W2J4IJ | ND | | 1 |
| d romo, iculorometuane | ND | . g/L | 0I20 | 0I14 | Ej 8 W2J4IJ | ND | | 1 |
| d romoform | ND | . g/L | 0I20 | 0IJ7 | Ej 8 W2J4IJ | ND | | 1 |
| d romometuane | ND | . g/L | 1I0 | 0IJ2 | Ej 8 W2J4IJ | ND | | 1 |
| nWr. tylben6ene | ND | . g/L | 0I20 | 0I11 | Ej 8 W2J4IJ | ND | | 1 |
| secWr. tylben6ene | ND | . g/L | 0I20 | 0I12 | Ej 8 W2J4IJ | ND | | 1 |
| tertWr. tylben6ene | ND | . g/L | 0I20 | 0I1C | Ej 8 W2J4IJ | ND | | 1 |
| Barbon tetraculori, e | ND | . g/L | 0I20 | 0I13 | Ej 8 W2J4IJ | ND | | 1 |
| Buloroben6ene | ND | . g/L | 0I20 | 0I09C | Ej 8 W2J4IJ | ND | | 1 |
| Buloroetuane | ND | . g/L | 0I20 | 0I14 | Ej 8 W2J4IJ | ND | | 1 |
| Buloroform | ND | . g/L | 0I20 | 0I1J | Ej 8 W2J4IJ | ND | | 1 |
| Bulorometuane | ND | . g/L | 0I20 | 0I14 | Ej 8 W2J4IJ | ND | | 1 |
| JWBulorotol. ene | ND | . g/L | 0I20 | 0IJ0 | Ej 8 W2J4IJ | ND | | 1 |
| 4WBulorotol. ene | ND | . g/L | 0I20 | 0I12 | Ej 8 W2J4IJ | ND | | 1 |
| Dibromoculorometuane | ND | . g/L | 0I20 | 0I1C | Ej 8 W2J4IJ | ND | | 1 |
| 1F3WDibromoWCWuloropropane | ND | . g/L | 1I0 | 0I44 | Ej 8 W2J4IJ | ND | | 1 |
| 1F3WDibromoetuane | ND | . g/L | 0I20 | 0I1# | Ej 8 W2J4IJ | ND | | 1 |
| Dibromometuane | ND | . g/L | 0I20 | 0IJ4 | Ej 8 W2J4IJ | ND | | 1 |
| 1F3WDiculoroben6ene | ND | . g/L | 0I20 | 0I07J | Ej 8 W2J4IJ | ND | | 1 |
| 1FCWDiculoroben6ene | ND | . g/L | 0I20 | 0I12 | Ej 8 W2J4IJ | ND | | 1 |
| 1F4WDiculoroben6ene | ND | . g/L | 0I20 | 0I0#J | Ej 8 W2J4IJ | ND | | 1 |
| **v igMorohifluorometMane** | **1d** | **uO#** | **8d58** | **8d8/ /** | **Q( N6534d3** | ND | | 1 |
| **19I6v igMoroetMane** | **8dBJ** | **uO#** | **8d58** | **8dI1** | **Q( N6534d3** | ND | | 1 |
| 1F3WDiculoroetuane | ND | . g/L | 0I20 | 0I17 | Ej 8 W2J4IJ | ND | | 1 |
| 1F1WDiculoroetuene | ND | . g/L | 0I20 | 0I13 | Ej 8 W2J4IJ | ND | | 1 |
| cisWF3WDiculoroetuene | ND | . g/L | 0I20 | 0I032 | Ej 8 W2J4IJ | ND | | 1 |
| transWF3WDiculoroetuene | ND | . g/L | 0I20 | 0I12 | Ej 8 W2J4IJ | ND | | 1 |
| **1936v igMoropropane** | **8dI7** | **uO#** | **8d58** | **8dI7** | **Q( N6534d3** | ND | , | 1 |
| 1FCWDiculoropropane | ND | . g/L | 0I20 | 0I03# | Ej 8 W2J4IJ | ND | | 1 |
| J F3WDiculoropropane | ND | . g/L | 0I20 | 0I1C | Ej 8 W2J4IJ | ND | | 1 |
| 1F1WDiculoropropene | ND | . g/L | 0I20 | 0I032 | Ej 8 W2J4IJ | ND | | 1 |

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**ReportehF** 07/12/J014 1#:4#
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j ro-ect N. mber: J01CW100
j ro-ect z anager: Gason Sapp

# y olatile VrOanig NnalEsis cQ( N P etMoh 534d3.

**2 C: Sample Iv F** 14122J1W0J | **Client Sample - ameF** N17W3JW08 P7/9/J014 11:10:008 z

| Constituent | Result | x nits | ( A: | P v: | P etMoh | P 2 2 ias | : ab Auals | Run U |
|---|---|---|---|---|---|---|---|---|
| cisWPCWiculoropropene | ND | . g/L | 0I20 | 0I14 | Ej 8 W2J4IJ | ND | | 1 |
| transWPCWiculoropropene | ND | . g/L | 0I20 | 0I079 | Ej 8 W2J4IJ | ND | | 1 |
| Etuylben6ene | ND | . g/L | 0I20 | 0I093 | Ej 8 W2J4IJ | ND | | 1 |
| Hexaculorob. ta, iene | ND | . g/L | 0I20 | 0I17 | Ej 8 W2J4IJ | ND | | 1 |
| qsopropylben6ene | ND | . g/L | 0I20 | 0I14 | Ej 8 W2J4IJ | ND | | 1 |
| pWqsopropyltol. ene | ND | . g/L | 0I20 | 0I1J | Ej 8 W2J4IJ | ND | | 1 |
| z etuylene culori, e | ND | . g/L | 0I20 | 0I43 | Ej 8 W2J4IJ | ND | | 1 |
| z etuyl tWv. tyl etuer | ND | . g/L | 0I20 | 0I11 | Ej 8 W2J4IJ | ND | | 1 |
| Naputualene | ND | . g/L | 0I20 | 0IC# | Ej 8 W2J4IJ | ND | | 1 |
| nWropylben6ene | ND | . g/L | 0I20 | 0I11 | Ej 8 W2J4IJ | ND | | 1 |
| Styrene | ND | . g/L | 0I20 | 0I0#3 | Ej 8 W2J4IJ | ND | | 1 |
| 1P1P1P3WetraculoroetuaneP | ND | . g/L | 0I20 | 0I13 | Ej 8 W2J4IJ | ND | | 1 |
| 1P1P3P3WetraculoroetuaneP | ND | . g/L | 0I20 | 0I17 | Ej 8 W2J4IJ | ND | | 1 |
| **TetragMoroetMene** | **4d** | **uO#** | **8d58** | **8d17** | **Q( N6534d3** | ND | | 1 |
| Tol. ene | ND | . g/L | 0I20 | 0I09C | Ej 8 W2J4IJ | ND | | 1 |
| 1P3PCWriculoroben6ene | ND | . g/L | 0I20 | 0I1# | Ej 8 W2J4IJ | ND | | 1 |
| 1P3P4Wriculoroben6ene | ND | . g/L | 0I20 | 0I19 | Ej 8 W2J4IJ | ND | | 1 |
| 1P1P1WriculoroetuaneP | ND | . g/L | 0I20 | 0I11 | Ej 8 W2J4IJ | ND | | 1 |
| 1P1P3WriculoroetuaneP | ND | . g/L | 0I20 | 0I1# | Ej 8 W2J4IJ | ND | | 1 |
| **TrigMoroetMene** | **8d78** | **uO#** | **8d58** | **8d8J5** | **Q( N6534d3** | ND | , | 1 |
| **TrigMorofluorometMane** | **8d35** | **uO#** | **8d58** | **8d17** | **Q( N6534d3** | ND | , | 1 |
| 1P3PCWriculoropropane | ND | . g/L | 1I0 | 0IJ4 | Ej 8 W2J4IJ | ND | | 1 |
| 1P1P3WriculoroWP3PWifl. oroetuaneP | ND | . g/L | 0I20 | 0I12 | Ej 8 W2J4IJ | ND | | 1 |
| 1P3P4Wrimetuylben6ene | ND | . g/L | 0I20 | 0I1J | Ej 8 W2J4IJ | ND | | 1 |
| 1PC2Wrimetuylben6ene | ND | . g/L | 0I20 | 0I1J | Ej 8 W2J4IJ | ND | | 1 |
| Vinyl culori, e | ND | . g/L | 0I20 | 0I1J | Ej 8 W2J4IJ | ND | | 1 |
| 8cetone | ND | . g/L | 10 | 4I# | Ej 8 W2J4IJ | ND | | 1 |
| 8crylonitrile | ND | . g/L | 2I0 | 1IJ | Ej 8 W2J4IJ | ND | | 1 |
| 8llyl culori, e | ND | . g/L | 2I0 | 0I30 | Ej 8 W2J4IJ | ND | | 1 |
| tWmyl z etuyl etuer | ND | . g/L | 0I20 | 0IJ2 | Ej 8 W2J4IJ | ND | | 1 |
| tWv. tyl alcouol | ND | . g/L | 10 | 9I4 | Ej 8 W2J4IJ | ND | | 1 |
| Barbon , is. lfi, e | ND | . g/L | 1I0 | 0IC3 | Ej 8 W2J4IJ | ND | | 1 |
| transWP4WiculoroWv. tene | ND | . g/L | 2I0 | 1I4 | Ej 8 W2J4IJ | ND | | 1 |

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# yolatile VrOanig NnalEsis cQ( N PetMoh 534d3.

| 2C: Sample Iv F | 14122J1W0J | Client Sample - ameF | N17W3JW08P7/9/J014 11:10:008z |
|---|---|---|---|

| Constituent | Result | xnits | ( A: | Pv: | PetMoh | P2 2ias | :ab Auals | Run U |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl etuer | ND | . g/L | 0I20 | 0IJC | Ej 8W2J4IJ | ND | | 1 |
| Etuyl metuacrylate | ND | . g/L | 4I0 | 0I97 | Ej 8W2J4IJ | ND | | 1 |
| Etuyl tW. tyl etuer | ND | . g/L | 0I20 | 0I13 | Ej 8W2J4IJ | ND | | 1 |
| JWexanone | ND | . g/L | 10 | CI4 | Ej 8W2J4IJ | ND | | 1 |
| z etuacrylonitrile | ND | . g/L | 10 | 1I7 | Ej 8W2J4IJ | ND | | 1 |
| z etuyl etuyl Cetone | ND | . g/L | 10 | JI2 | Ej 8W2J4IJ | ND | | 1 |
| z etuyl io, i, e | ND | . g/L | JI0 | 0I47 | Ej 8W2J4IJ | ND | | 1 |
| z etuyl isob. tyl Cetone | ND | . g/L | 10 | JI1 | Ej 8W2J4IJ | ND | | 1 |
| z etuyl metuacrylate | ND | . g/L | 2I0 | 1I2 | Ej 8W2J4IJ | ND | | 1 |
| Nitroben6ene | ND | . g/L | C0 | 1C | Ej 8W2J4IJ | ND | | 1 |
| j entaculoroetuane | ND | . g/L | JI0 | 0I4C | Ej 8W2J4IJ | ND | | 1 |
| j ropionitrile | ND | . g/L | J0 | 4IJ | Ej 8W2J4IJ | ND | | 1 |
| **TetraMEhrofuran** | **338** | **uO#** | **38** | **5d3** | **Q( N6534d3** | ND | | 1 |
| pW& mWXylenes | ND | . g/L | 0I20 | 0IJ3 | Ej 8W2J4IJ | ND | | 1 |
| oWXylene | ND | . g/L | 0I20 | 0I03J | Ej 8W2J4IJ | ND | | 1 |
| 1F1WDiculoroetuaneW4 (S. rrogate) | 10# | % | 72 WIJ2 (LBL WUBL) | | Ej 8W2J4IJ | | | 1 |
| Tol. eneW3 (S. rrogate) | 99I1 | % | 30 WIJ0 (LBL WUBL) | | Ej 8W2J4IJ | | | 1 |
| 4WWromofl. oroben6ene (S. rrogate) | 9CIJ | % | 30 WIJ0 (LBL WUBL) | | Ej 8W2J4IJ | | | 1 |

| Run U | PetMoh | ( rep vate | Run vate#Time | NnalEst | Instrument | vilution | AC 2atgMIv |
|---|---|---|---|---|---|---|---|
| 1 | Ej 8W2J4IJ | 07/10/14 | 07/11/14 14:12 | GBB | z SW14 | 1 | dXA03C9 |

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# ) ater NnalEsis dWeneral CMemistrE.

| 2C: Sample lvF | 14122J1W0J | Client Sample - ameF | N17WBJW08P7/9/J014 11:10:008z |
|---|---|---|---|

| Constituent | Result | xnits | ( A: | Pv: | PetMoh | P2 2ias | : ab Auals | Run U |
|---|---|---|---|---|---|---|---|---|
| j erculorate | ND | . g/L | 4I0 | 0I42 | Ej 8WC14I0 | ND | | 1 |

| Run U | PetMoh | ( rep vate | Run vate#Time | NnalEst | Instrument | vilution | AC 2atgMlv |
|---|---|---|---|---|---|---|---|
| 1 | Ej 8WC14I0 | 07/10/14 | 07/10/14 JC:J3 | h LH | qB# | 1 | dXA11#3 |

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**ReportehF** 07/12/J014 1#:4#
j ro-ect: Rialto j erculorate qnvestigaton
j ro-ect N. mber: J01CW100
j ro-ect z anager: Gason Sapp

# y olatile VrOanig NnalEsis cQ( N P etMoh 534d3.

**2 C: Sample Iv F** 14122J1W0C | **Client Sample - ameF** N17W3JW018P7/9/J014 C:27:00j z

| Constituent | Result | x nits | ( A: | P v: | P etMoh | P 2 2 ias | : ab Auals | Run U |
|---|---|---|---|---|---|---|---|---|
| d en6ene | ND | . g/L | 0I20 | 0I03C | Ej 8 W2J4IJ | ND | | 1 |
| d romoben6ene | ND | . g/L | 0I20 | 0I1C | Ej 8 W2J4IJ | ND | | 1 |
| d romoculorometuane | ND | . g/L | 0I20 | 0IJ4 | Ej 8 W2J4IJ | ND | | 1 |
| d romo, iculorometuane | ND | . g/L | 0I20 | 0I14 | Ej 8 W2J4IJ | ND | | 1 |
| d romoform | ND | . g/L | 0I20 | 0IJ7 | Ej 8 W2J4IJ | ND | | 1 |
| d romometuane | ND | . g/L | 1I0 | 0IJ2 | Ej 8 W2J4IJ | ND | | 1 |
| nW. tylben6ene | ND | . g/L | 0I20 | 0I11 | Ej 8 W2J4IJ | ND | | 1 |
| secW. tylben6ene | ND | . g/L | 0I20 | 0I12 | Ej 8 W2J4IJ | ND | | 1 |
| tertW. tylben6ene | ND | . g/L | 0I20 | 0I1C | Ej 8 W2J4IJ | ND | | 1 |
| Barbon tetraculori, e | ND | . g/L | 0I20 | 0I13 | Ej 8 W2J4IJ | ND | | 1 |
| Buloroben6ene | ND | . g/L | 0I20 | 0I09C | Ej 8 W2J4IJ | ND | | 1 |
| Buloroetuane | ND | . g/L | 0I20 | 0I14 | Ej 8 W2J4IJ | ND | | 1 |
| Buloroform | ND | . g/L | 0I20 | 0I1J | Ej 8 W2J4IJ | ND | | 1 |
| Bulorometuane | ND | . g/L | 0I20 | 0I14 | Ej 8 W2J4IJ | ND | | 1 |
| JW3ulorotol. ene | ND | . g/L | 0I20 | 0IJ0 | Ej 8 W2J4IJ | ND | | 1 |
| 4W3ulorotol. ene | ND | . g/L | 0I20 | 0I12 | Ej 8 W2J4IJ | ND | | 1 |
| Dibromoculorometuane | ND | . g/L | 0I20 | 0I1C | Ej 8 W2J4IJ | ND | | 1 |
| 1F3W2ibromoW2Wuloropropane | ND | . g/L | 1I0 | 0I44 | Ej 8 W2J4IJ | ND | | 1 |
| 1F3W2ibromoetuane | ND | . g/L | 0I20 | 0I1# | Ej 8 W2J4IJ | ND | | 1 |
| Dibromometuane | ND | . g/L | 0I20 | 0IJ4 | Ej 8 W2J4IJ | ND | | 1 |
| 1F3W2iculoroben6ene | ND | . g/L | 0I20 | 0I07J | Ej 8 W2J4IJ | ND | | 1 |
| 1F2W2iculoroben6ene | ND | . g/L | 0I20 | 0I12 | Ej 8 W2J4IJ | ND | | 1 |
| 1F4W2iculoroben6ene | ND | . g/L | 0I20 | 0I0#J | Ej 8 W2J4IJ | ND | | 1 |
| **v igMorohifluorometMane** | **3d7** | **uO#** | **8d58** | **8d8/ /** | **Q( N6534d3** | ND | | 1 |
| **19I6v igMoroetMane** | **8d07** | **uO#** | **8d58** | **8dI1** | **Q( N6534d3** | ND | | 1 |
| 1F3W2iculoroetuane | ND | . g/L | 0I20 | 0I17 | Ej 8 W2J4IJ | ND | | 1 |
| 1F1W2iculoroetuene | ND | . g/L | 0I20 | 0I13 | Ej 8 W2J4IJ | ND | | 1 |
| cisWF3W2iculoroetuene | ND | . g/L | 0I20 | 0I032 | Ej 8 W2J4IJ | ND | | 1 |
| transWF3W2iculoroetuene | ND | . g/L | 0I20 | 0I12 | Ej 8 W2J4IJ | ND | | 1 |
| **1936v igMoropropane** | **8dI7** | **uO#** | **8d58** | **8dI7** | **Q( N6534d3** | ND | , | 1 |
| 1F2W2iculoropropane | ND | . g/L | 0I20 | 0I03# | Ej 8 W2J4IJ | ND | | 1 |
| JF3W2iculoropropane | ND | . g/L | 0I20 | 0I1C | Ej 8 W2J4IJ | ND | | 1 |
| 1F1W2iculoropropene | ND | . g/L | 0I20 | 0I032 | Ej 8 W2J4IJ | ND | | 1 |

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**ReportehF** 07/12/J014 1#:4#
j ro-ect: Rialto j erculorate qnvestigaton
j ro-ect N. mber: J01CW100
j ro-ect z anager: Gason Sapp

# y olatile VrOanig NnalEsis cQ( N P etMoh 534d3.

| 2 C: Sample Iv F | 14122J1W0C | Client Sample - ameF | N17W3JW018P7/9/J014 C:27:00j z |
|---|---|---|---|

| Constituent | Result | x nits | ( A: | P v: | P etMoh | P 2 2 ias | : ab Auals | Run U |
|---|---|---|---|---|---|---|---|---|
| cisW1F2W2iculoropropene | ND | . g/L | 0I20 | 0I14 | Ej 8 W2J4IJ | ND | | 1 |
| transW1F2W2iculoropropene | ND | . g/L | 0I20 | 0I079 | Ej 8 W2J4IJ | ND | | 1 |
| Etuylben6ene | ND | . g/L | 0I20 | 0I093 | Ej 8 W2J4IJ | ND | | 1 |
| Hexaculorob. ta, iene | ND | . g/L | 0I20 | 0I17 | Ej 8 W2J4IJ | ND | | 1 |
| qsopropylben6ene | ND | . g/L | 0I20 | 0I14 | Ej 8 W2J4IJ | ND | | 1 |
| p W4sopropyltol. ene | ND | . g/L | 0I20 | 0I1J | Ej 8 W2J4IJ | ND | | 1 |
| z etuylene culori, e | ND | . g/L | 0I20 | 0I43 | Ej 8 W2J4IJ | ND | | 1 |
| z etuyl tW3. tyl etuer | ND | . g/L | 0I20 | 0I11 | Ej 8 W2J4IJ | ND | | 1 |
| Naputualene | ND | . g/L | 0I20 | 0IC# | Ej 8 W2J4IJ | ND | | 1 |
| nW1ropylben6ene | ND | . g/L | 0I20 | 0I11 | Ej 8 W2J4IJ | ND | | 1 |
| Styrene | ND | . g/L | 0I20 | 0I0#3 | Ej 8 W2J4IJ | ND | | 1 |
| 1F1F1F3W7etraculoroetuane | ND | . g/L | 0I20 | 0I13 | Ej 8 W2J4IJ | ND | | 1 |
| 1F1F2F3W7etraculoroetuane | ND | . g/L | 0I20 | 0I17 | Ej 8 W2J4IJ | ND | | 1 |
| **TetragMoroetMene** | **0dJ** | **uO#** | **8d58** | **8d17** | **Q( N6534d3** | ND | | 1 |
| Tol. ene | ND | . g/L | 0I20 | 0I09C | Ej 8 W2J4IJ | ND | | 1 |
| 1F3F2W7riculoroben6ene | ND | . g/L | 0I20 | 0I1# | Ej 8 W2J4IJ | ND | | 1 |
| 1F3F4W7riculoroben6ene | ND | . g/L | 0I20 | 0I19 | Ej 8 W2J4IJ | ND | | 1 |
| 1F1F1W7riculoroetuane | ND | . g/L | 0I20 | 0I11 | Ej 8 W2J4IJ | ND | | 1 |
| 1F1F2W7riculoroetuane | ND | . g/L | 0I20 | 0I1# | Ej 8 W2J4IJ | ND | | 1 |
| **TrigMoroetMene** | **8d40** | **uO#** | **8d58** | **8d8J5** | **Q( N6534d3** | ND | , | 1 |
| **TrigMorofluorometMane** | **1d7** | **uO#** | **8d58** | **8d17** | **Q( N6534d3** | ND | | 1 |
| 1F2F2W7riculoropropane | ND | . g/L | 1I0 | 0IJ4 | Ej 8 W2J4IJ | ND | | 1 |
| 1F1F2W7riculoroW2F2W4ifl. oroetuane | ND | . g/L | 0I20 | 0I12 | Ej 8 W2J4IJ | ND | | 1 |
| 1F3F4W7rimetuylben6ene | ND | . g/L | 0I20 | 0I1J | Ej 8 W2J4IJ | ND | | 1 |
| 1F2F2W7rimetuylben6ene | ND | . g/L | 0I20 | 0I1J | Ej 8 W2J4IJ | ND | | 1 |
| Vinyl culori, e | ND | . g/L | 0I20 | 0I1J | Ej 8 W2J4IJ | ND | | 1 |
| 8cetone | ND | . g/L | 10 | 4I# | Ej 8 W2J4IJ | ND | | 1 |
| 8crylonitrile | ND | . g/L | 2I0 | 1IJ | Ej 8 W2J4IJ | ND | | 1 |
| 8llyl culori, e | ND | . g/L | 2I0 | 0I30 | Ej 8 W2J4IJ | ND | | 1 |
| tW6myl z etuyl etuer | ND | . g/L | 0I20 | 0IJ2 | Ej 8 W2J4IJ | ND | | 1 |
| tW3. tyl alcouol | ND | . g/L | 10 | 9I4 | Ej 8 W2J4IJ | ND | | 1 |
| Barbon , is. lfi, e | ND | . g/L | 1I0 | 0IC3 | Ej 8 W2J4IJ | ND | | 1 |
| transW1F4W2iculoroW3W3. tene | ND | . g/L | 2I0 | 1I4 | Ej 8 W2J4IJ | ND | | 1 |

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# yolatile VrOanig NnalEsis cQ( N PetMoh 534d3.

| 2C: Sample Iv F | 14122J1W0C | Client Sample - ameF | N17W3JW018P7/9/J014 C:27:00j z |
|---|---|---|---|

| Constituent | Result | xnits | ( A: | Pv: | PetMoh | P2 2ias | :ab Auals | Run U |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl etuer | ND | . g/L | 0I20 | 0IJC | Ej 8W2J4IJ | ND | | 1 |
| Etuyl metuacrylate | ND | . g/L | 4I0 | 0I97 | Ej 8W2J4IJ | ND | | 1 |
| Etuyl tW. tyl etuer | ND | . g/L | 0I20 | 0I13 | Ej 8W2J4IJ | ND | | 1 |
| JWexanone | ND | . g/L | 10 | CI4 | Ej 8W2J4IJ | ND | | 1 |
| z etuacrylonitrile | ND | . g/L | 10 | 1I7 | Ej 8W2J4IJ | ND | | 1 |
| z etuyl etuyl Oetone | ND | . g/L | 10 | JI2 | Ej 8W2J4IJ | ND | | 1 |
| z etuyl io, i, e | ND | . g/L | JI0 | 0I47 | Ej 8W2J4IJ | ND | | 1 |
| z etuyl isob. tyl Oetone | ND | . g/L | 10 | JI1 | Ej 8W2J4IJ | ND | | 1 |
| z etuyl metuacrylate | ND | . g/L | 2I0 | 1I2 | Ej 8W2J4IJ | ND | | 1 |
| Nitroben6ene | ND | . g/L | C0 | 1C | Ej 8W2J4IJ | ND | | 1 |
| j entaculoroetuane | ND | . g/L | JI0 | 0I4C | Ej 8W2J4IJ | ND | | 1 |
| j ropionitrile | ND | . g/L | J0 | 4IJ | Ej 8W2J4IJ | ND | | 1 |
| Tetrauy, rof. ran | ND | . g/L | J0 | 2IJ | Ej 8W2J4IJ | ND | | 1 |
| pW& mWxylenes | ND | . g/L | 0I20 | 0IJ3 | Ej 8W2J4IJ | ND | | 1 |
| oWxylene | ND | . g/L | 0I20 | 0I03J | Ej 8W2J4IJ | ND | | 1 |
| 1F1W2iculoroetuaneW4 (S. rrogate) | 11J | % | 72 WIJ2 (LBL WUBL) | | Ej 8W2J4IJ | | | 1 |
| Tol. eneW3 (S. rrogate) | 10C | % | 30 WIJ0 (LBL WUBL) | | Ej 8W2J4IJ | | | 1 |
| 4WromofI. oroben6ene (S. rrogate) | 9JI2 | % | 30 WIJ0 (LBL WUBL) | | Ej 8W2J4IJ | | | 1 |

| Run U | PetMoh | ( rep vate | vate#Time | NnalEst | Instrument | vilution | AC 2atgMIv |
|---|---|---|---|---|---|---|---|
| 1 | Ej 8W2J4IJ | 07/10/14 | 07/11/14 14:C7 | GBB | z SW14 | 1 | dXA03C9 |

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# ) ater NnalEsis dWeneral CMemistrE.

| 2C: Sample lvF | 14122J1W0C | Client Sample - ameF | N17WBJWC18P7/9/J014 C:27:00j z |
|---|---|---|---|

| Constituent | Result | xnits | ( A: | Pv: | PetMoh | P2 2ias | : ab Auals | Run U |
|---|---|---|---|---|---|---|---|---|
| j erculorate | ND | . g/L | 4I0 | 0I42 | Ej 8WC14I0 | ND | | 1 |

| Run U | PetMoh | ( rep vate | Run vate#Time | NnalEst | Instrument | vilution | AC 2atgMIv |
|---|---|---|---|---|---|---|---|
| 1 | Ej 8WC14I0 | 07/10/14 | 07/10/14 JC:4J | h LH | qB# | 1 | dXA11#3 |

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**ReportehF** 07/12/J014 1#:4#
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j ro-ect N. mber: J01CW100
j ro-ect z anager: Gason Sapp

# yolatile VrOanig NnalEsis cQ( N PetMoh 534d3.

**2C: Sample Iv F** 14122J1W04 | **Client Sample - ameF** QB8dP7/9/J014 1J:00:008z

| Constituent | Result | xnits | ( A: | Pv: | PetMoh | P2 2ias | :ab Auals | Run U |
|---|---|---|---|---|---|---|---|---|
| den6ene | ND | . g/L | 0I20 | 0I03C | Ej 8W2J4IJ | ND | | 1 |
| dromoben6ene | ND | . g/L | 0I20 | 0I1C | Ej 8W2J4IJ | ND | | 1 |
| dromoculorometuane | ND | . g/L | 0I20 | 0IJ4 | Ej 8W2J4IJ | ND | | 1 |
| dromo, iculorometuane | ND | . g/L | 0I20 | 0I14 | Ej 8W2J4IJ | ND | | 1 |
| dromoform | ND | . g/L | 0I20 | 0IJ7 | Ej 8W2J4IJ | ND | | 1 |
| dromometuane | ND | . g/L | 1I0 | 0IJ2 | Ej 8W2J4IJ | ND | | 1 |
| nW. tylben6ene | ND | . g/L | 0I20 | 0I11 | Ej 8W2J4IJ | ND | | 1 |
| secW. tylben6ene | ND | . g/L | 0I20 | 0I12 | Ej 8W2J4IJ | ND | | 1 |
| tertW. tylben6ene | ND | . g/L | 0I20 | 0I1C | Ej 8W2J4IJ | ND | | 1 |
| Barbon tetraculori, e | ND | . g/L | 0I20 | 0I13 | Ej 8W2J4IJ | ND | | 1 |
| Buloroben6ene | ND | . g/L | 0I20 | 0I09C | Ej 8W2J4IJ | ND | | 1 |
| Buloroetuane | ND | . g/L | 0I20 | 0I14 | Ej 8W2J4IJ | ND | | 1 |
| **CMoroform** | **8dJ4** | **uO#** | **8d58** | **8d13** | **Q( N6534d3** | ND | | 1 |
| Bulorometuane | ND | . g/L | 0I20 | 0I14 | Ej 8W2J4IJ | ND | | 1 |
| JWBulorotol. ene | ND | . g/L | 0I20 | 0IJ0 | Ej 8W2J4IJ | ND | | 1 |
| 4WBulorotol. ene | ND | . g/L | 0I20 | 0I12 | Ej 8W2J4IJ | ND | | 1 |
| Dibromoculorometuane | ND | . g/L | 0I20 | 0I1C | Ej 8W2J4IJ | ND | | 1 |
| 1P3WDibromoWWuloropropane | ND | . g/L | 1I0 | 0I44 | Ej 8W2J4IJ | ND | | 1 |
| 1P3WDibromoetuane | ND | . g/L | 0I20 | 0I1# | Ej 8W2J4IJ | ND | | 1 |
| Dibromometuane | ND | . g/L | 0I20 | 0IJ4 | Ej 8W2J4IJ | ND | | 1 |
| 1P3WDiculoroben6ene | ND | . g/L | 0I20 | 0I07J | Ej 8W2J4IJ | ND | | 1 |
| 1PCWDiculoroben6ene | ND | . g/L | 0I20 | 0I12 | Ej 8W2J4IJ | ND | | 1 |
| 1P4WDiculoroben6ene | ND | . g/L | 0I20 | 0I0#J | Ej 8W2J4IJ | ND | | 1 |
| Diculoro, ifl. orometuane | ND | . g/L | 0I20 | 0I099 | Ej 8W2J4IJ | ND | | 1 |
| 1P1WDiculoroetuane | ND | . g/L | 0I20 | 0I11 | Ej 8W2J4IJ | ND | | 1 |
| 1P3WDiculoroetuane | ND | . g/L | 0I20 | 0I17 | Ej 8W2J4IJ | ND | | 1 |
| 1P1WDiculoroetuene | ND | . g/L | 0I20 | 0I13 | Ej 8W2J4IJ | ND | | 1 |
| cisWP3WDiculoroetuene | ND | . g/L | 0I20 | 0I032 | Ej 8W2J4IJ | ND | | 1 |
| transWP3WDiculoroetuene | ND | . g/L | 0I20 | 0I12 | Ej 8W2J4IJ | ND | | 1 |
| 1P3WDiculoropropane | ND | . g/L | 0I20 | 0I1C | Ej 8W2J4IJ | ND | | 1 |
| 1PCWDiculoropropane | ND | . g/L | 0I20 | 0I03# | Ej 8W2J4IJ | ND | | 1 |
| JP3WDiculoropropane | ND | . g/L | 0I20 | 0I1C | Ej 8W2J4IJ | ND | | 1 |
| 1P1WDiculoropropene | ND | . g/L | 0I20 | 0I032 | Ej 8W2J4IJ | ND | | 1 |

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**ReportehF** 07/12/J014 1#:4#
j ro-ect: Rialto j erculorate qnvestigaton
j ro-ect N. mber: J01CW100
j ro-ect z anager: Gason Sapp

# y olatile VrOanig NnalEsis cQ( N P etMoh 534d3.

**2 C: Sample Iv F** 14122J1W04 | **Client Sample - ameF** QB8dP7/9/J014 1J:00:008z

| Constituent | Result | x nits | ( A: | P v: | P etMoh | P 2 2 ias | : ab Auals | Run U |
|---|---|---|---|---|---|---|---|---|
| cisWFCWiculoropropene | ND | . g/L | 0I20 | 0I14 | Ej 8 W2J4IJ | ND | | 1 |
| transWFCWiculoropropene | ND | . g/L | 0I20 | 0I079 | Ej 8 W2J4IJ | ND | | 1 |
| Etuylben6ene | ND | . g/L | 0I20 | 0I093 | Ej 8 W2J4IJ | ND | | 1 |
| Hexaculorob. ta, iene | ND | . g/L | 0I20 | 0I17 | Ej 8 W2J4IJ | ND | | 1 |
| qsopropylben6ene | ND | . g/L | 0I20 | 0I14 | Ej 8 W2J4IJ | ND | | 1 |
| pWqsopropyltol. ene | ND | . g/L | 0I20 | 0I1J | Ej 8 W2J4IJ | ND | | 1 |
| z etuylene culori, e | ND | . g/L | 0I20 | 0I43 | Ej 8 W2J4IJ | ND | | 1 |
| z etuyl tWv. tyl etuer | ND | . g/L | 0I20 | 0I11 | Ej 8 W2J4IJ | ND | | 1 |
| Naputualene | ND | . g/L | 0I20 | 0IC# | Ej 8 W2J4IJ | ND | | 1 |
| nWropylben6ene | ND | . g/L | 0I20 | 0I11 | Ej 8 W2J4IJ | ND | | 1 |
| Styrene | ND | . g/L | 0I20 | 0I0#3 | Ej 8 W2J4IJ | ND | | 1 |
| 1F1F1F3WetraculoroetuaneF | ND | . g/L | 0I20 | 0I13 | Ej 8 W2J4IJ | ND | | 1 |
| 1F1F2F3WetraculoroetuaneF | ND | . g/L | 0I20 | 0I17 | Ej 8 W2J4IJ | ND | | 1 |
| **TetragMoroetMene** | **8d4B** | **uO#** | **8d58** | **8d17** | **Q( N6534d3** | ND | , | 1 |
| Tol. ene | ND | . g/L | 0I20 | 0I09C | Ej 8 W2J4IJ | ND | | 1 |
| 1F3FCWriculoroben6ene | ND | . g/L | 0I20 | 0I1# | Ej 8 W2J4IJ | ND | | 1 |
| 1F3F4Wriculoroben6ene | ND | . g/L | 0I20 | 0I19 | Ej 8 W2J4IJ | ND | | 1 |
| 1F1F1Wriculoroetuane | ND | . g/L | 0I20 | 0I11 | Ej 8 W2J4IJ | ND | | 1 |
| 1F1F2Wriculoroetuane | ND | . g/L | 0I20 | 0I1# | Ej 8 W2J4IJ | ND | | 1 |
| Triculoroetuene | ND | . g/L | 0I20 | 0I032 | Ej 8 W2J4IJ | ND | | 1 |
| Triculorofl. orometuane | ND | . g/L | 0I20 | 0I1C | Ej 8 W2J4IJ | ND | | 1 |
| 1F2FCWriculoropropane | ND | . g/L | 1I0 | 0IJ4 | Ej 8 W2J4IJ | ND | | 1 |
| 1F1F2WriculoroWF2FWifl. oroetuane | ND | . g/L | 0I20 | 0I12 | Ej 8 W2J4IJ | ND | | 1 |
| 1F3F4Wrimetuylben6ene | ND | . g/L | 0I20 | 0I1J | Ej 8 W2J4IJ | ND | | 1 |
| 1FC2Wrimetuylben6ene | ND | . g/L | 0I20 | 0I1J | Ej 8 W2J4IJ | ND | | 1 |
| Vinyl culori, e | ND | . g/L | 0I20 | 0I1J | Ej 8 W2J4IJ | ND | | 1 |
| 8cetone | ND | . g/L | 10 | 4I# | Ej 8 W2J4IJ | ND | | 1 |
| 8crylonitrile | ND | . g/L | 2I0 | 1IJ | Ej 8 W2J4IJ | ND | | 1 |
| 8llyl culori, e | ND | . g/L | 2I0 | 0I30 | Ej 8 W2J4IJ | ND | | 1 |
| tWmyl z etuyl etuer | ND | . g/L | 0I20 | 0IJ2 | Ej 8 W2J4IJ | ND | | 1 |
| tWv. tyl alcouol | ND | . g/L | 10 | 9I4 | Ej 8 W2J4IJ | ND | | 1 |
| Barbon , is. lfi, e | ND | . g/L | 1I0 | 0IC3 | Ej 8 W2J4IJ | ND | | 1 |
| transWF4WiculoroWWv. tene | ND | . g/L | 2I0 | 1I4 | Ej 8 W2J4IJ | ND | | 1 |

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| | |
|---|---|
| Aeologic 8ssociates<br>13C1 Bommercenter East<br>San dernar, inoPB8 9J403 | **ReportehF** 07/12/J014 1#:4#<br>j ro-ect: Rialto j erculorate qnvestigaton<br>j ro-ect N. mber: J01CW100<br>j ro-ect z anager: Gason Sapp |

# yolatile VrOanig NnalEsis cQ( N PetMoh 534d3.

| **2C: Sample Iv F** 14122J1W04 | **Client Sample - ameF** QB8dP7/9/J014 1J:00:008z |
|---|---|

| Constituent | Result | xnits | ( A: | Pv: | PetMoh | P2 2ias | :ab Auals | Run U |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl etuer | ND | . g/L | 0I20 | 0IJC | Ej 8W2J4IJ | ND | | 1 |
| Etuyl metuacrylate | ND | . g/L | 4I0 | 0I97 | Ej 8W2J4IJ | ND | | 1 |
| Etuyl tW. tyl etuer | ND | . g/L | 0I20 | 0I13 | Ej 8W2J4IJ | ND | | 1 |
| JWexanone | ND | . g/L | 10 | CI4 | Ej 8W2J4IJ | ND | | 1 |
| z etuacrylonitrile | ND | . g/L | 10 | 1I7 | Ej 8W2J4IJ | ND | | 1 |
| z etuyl etuyl Cetone | ND | . g/L | 10 | JI2 | Ej 8W2J4IJ | ND | | 1 |
| z etuyl io, i, e | ND | . g/L | JI0 | 0I47 | Ej 8W2J4IJ | ND | | 1 |
| z etuyl isob. tyl Cetone | ND | . g/L | 10 | JI1 | Ej 8W2J4IJ | ND | | 1 |
| z etuyl metuacrylate | ND | . g/L | 2I0 | 1I2 | Ej 8W2J4IJ | ND | | 1 |
| Nitroben6ene | ND | . g/L | C0 | 1C | Ej 8W2J4IJ | ND | | 1 |
| j entaculoroetuane | ND | . g/L | JI0 | 0I4C | Ej 8W2J4IJ | ND | | 1 |
| j ropionitrile | ND | . g/L | J0 | 4IJ | Ej 8W2J4IJ | ND | | 1 |
| Tetrauy, rof. ran | ND | . g/L | J0 | 2IJ | Ej 8W2J4IJ | ND | | 1 |
| pW& mWXylenes | ND | . g/L | 0I20 | 0IJ3 | Ej 8W2J4IJ | ND | | 1 |
| oWXylene | ND | . g/L | 0I20 | 0I03J | Ej 8W2J4IJ | ND | | 1 |
| 1F1WDiculoroetuaneW4 (S. rrogate) | 111 | % | 72 WIJ2 (LBL WUBL) | | Ej 8W2J4IJ | | | 1 |
| Tol. eneW3 (S. rrogate) | 101 | % | 30 WIJ0 (LBL WUBL) | | Ej 8W2J4IJ | | | 1 |
| 4WWromofl. oroben6ene (S. rrogate) | 91IJ | % | 30 WIJ0 (LBL WUBL) | | Ej 8W2J4IJ | | | 1 |

| Run U | PetMoh | ( rep vate | vate#Time | NnalEst | Instrument | vilution | AC 2atgMIv |
|---|---|---|---|---|---|---|---|
| 1 | Ej 8W2J4IJ | 07/10/14 | 07/11/14 1C:C0 | GBB | z SW14 | 1 | dXA03C9 |

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San dernar, inoPB8 9J403

**ReportehF** 07/12/J014 1#:4#
j ro-ect: Rialto j erculorate qnvestigaton
j ro-ect N. mber: J01CW100
j ro-ect z anager: Gason Sapp

# yolatile VrOanig NnalEsis cQ( N P etMoh 534d3.

**2C: Sample Iv F** 14122J1W2 | **Client Sample - ameF** QBEd P7/9/J014 1J:00:008z

| Constituent | Result | xnits | ( A: | Pv: | PetMoh | P2 2ias | :ab Auals | Run U |
|---|---|---|---|---|---|---|---|---|
| den6ene | ND | . g/L | 0I20 | 0I03C | Ej 8W2J4IJ | ND | | 1 |
| dromoben6ene | ND | . g/L | 0I20 | 0I1C | Ej 8W2J4IJ | ND | | 1 |
| dromoculorometuane | ND | . g/L | 0I20 | 0IJ4 | Ej 8W2J4IJ | ND | | 1 |
| dromo, iculorometuane | ND | . g/L | 0I20 | 0I14 | Ej 8W2J4IJ | ND | | 1 |
| dromoform | ND | . g/L | 0I20 | 0IJ7 | Ej 8W2J4IJ | ND | | 1 |
| dromometuane | ND | . g/L | 1I0 | 0IJ2 | Ej 8W2J4IJ | ND | | 1 |
| nW. tylben6ene | ND | . g/L | 0I20 | 0I11 | Ej 8W2J4IJ | ND | | 1 |
| secW. tylben6ene | ND | . g/L | 0I20 | 0I12 | Ej 8W2J4IJ | ND | | 1 |
| tertW. tylben6ene | ND | . g/L | 0I20 | 0I1C | Ej 8W2J4IJ | ND | | 1 |
| Barbon tetraculori, e | ND | . g/L | 0I20 | 0I13 | Ej 8W2J4IJ | ND | | 1 |
| Buloroben6ene | ND | . g/L | 0I20 | 0I09C | Ej 8W2J4IJ | ND | | 1 |
| Buloroetuane | ND | . g/L | 0I20 | 0I14 | Ej 8W2J4IJ | ND | | 1 |
| **CMoroform** | **8dB5** | **uO#** | **8d58** | **8d13** | **Q( N6534d3** | ND | | 1 |
| Buloromet uane | ND | . g/L | 0I20 | 0I14 | Ej 8W2J4IJ | ND | | 1 |
| JWBulorotol. ene | ND | . g/L | 0I20 | 0IJ0 | Ej 8W2J4IJ | ND | | 1 |
| 4WBulorotol. ene | ND | . g/L | 0I20 | 0I12 | Ej 8W2J4IJ | ND | | 1 |
| Dibromoculorometuane | ND | . g/L | 0I20 | 0I1C | Ej 8W2J4IJ | ND | | 1 |
| 1P3WDibromoW2Wuloropropane | ND | . g/L | 1I0 | 0I44 | Ej 8W2J4IJ | ND | | 1 |
| 1P3WDibromoetuane | ND | . g/L | 0I20 | 0I1# | Ej 8W2J4IJ | ND | | 1 |
| Dibromometuane | ND | . g/L | 0I20 | 0IJ4 | Ej 8W2J4IJ | ND | | 1 |
| 1P3WDiculoroben6ene | ND | . g/L | 0I20 | 0I07J | Ej 8W2J4IJ | ND | | 1 |
| 1P2WDiculoroben6ene | ND | . g/L | 0I20 | 0I12 | Ej 8W2J4IJ | ND | | 1 |
| 1P4WDiculoroben6ene | ND | . g/L | 0I20 | 0I0#J | Ej 8W2J4IJ | ND | | 1 |
| Diculoro, ifl. orometuane | ND | . g/L | 0I20 | 0I099 | Ej 8W2J4IJ | ND | | 1 |
| 1P1WDiculoroetuane | ND | . g/L | 0I20 | 0I11 | Ej 8W2J4IJ | ND | | 1 |
| 1P3WDiculoroetuane | ND | . g/L | 0I20 | 0I17 | Ej 8W2J4IJ | ND | | 1 |
| 1P1WDiculoroetuene | ND | . g/L | 0I20 | 0I13 | Ej 8W2J4IJ | ND | | 1 |
| cisWP3WDiculoroetuene | ND | . g/L | 0I20 | 0I032 | Ej 8W2J4IJ | ND | | 1 |
| transWP3WDiculoroetuene | ND | . g/L | 0I20 | 0I12 | Ej 8W2J4IJ | ND | | 1 |
| 1P3WDiculoropropane | ND | . g/L | 0I20 | 0I1C | Ej 8W2J4IJ | ND | | 1 |
| 1P2WDiculoropropane | ND | . g/L | 0I20 | 0I03# | Ej 8W2J4IJ | ND | | 1 |
| JP3WDiculoropropane | ND | . g/L | 0I20 | 0I1C | Ej 8W2J4IJ | ND | | 1 |
| 1P1WDiculoropropene | ND | . g/L | 0I20 | 0I032 | Ej 8W2J4IJ | ND | | 1 |

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| Aeologic 8ssociates<br>13C1 Bommercenter East<br>San dernar, inoPB8 9J403 | **ReportehF** 07/12/J014 1#:4#<br>j ro-ect: Rialto j erculorate qnvestigaton<br>j ro-ect N. mber: J01CW100<br>j ro-ect z anager: Gason Sapp |

# yolatile VrOanig NnalEsis cQ( N P etMoh 534d3.

| 2C: Sample Iv F | 14122J1W2 | Client Sample - ameF | QBEd P7/9/J014 1J:00:008z |
|---|---|---|---|

| Constituent | Result | xnits | ( A: | Pv: | PetMoh | P2 2ias | :ab Auals | Run U |
|---|---|---|---|---|---|---|---|---|
| cisWFCWiculoropropene | ND | . g/L | 0I20 | 0I14 | Ej 8W2J4IJ | ND | | 1 |
| transWFCWiculoropropene | ND | . g/L | 0I20 | 0I079 | Ej 8W2J4IJ | ND | | 1 |
| Etuylben6ene | ND | . g/L | 0I20 | 0I093 | Ej 8W2J4IJ | ND | | 1 |
| Hexaculorob. ta, iene | ND | . g/L | 0I20 | 0I17 | Ej 8W2J4IJ | ND | | 1 |
| qsopropylben6ene | ND | . g/L | 0I20 | 0I14 | Ej 8W2J4IJ | ND | | 1 |
| pWqsopropyltol. ene | ND | . g/L | 0I20 | 0I1J | Ej 8W2J4IJ | ND | | 1 |
| z etuylene culori, e | ND | . g/L | 0I20 | 0I43 | Ej 8W2J4IJ | ND | | 1 |
| z etuyl tWv. tyl etuer | ND | . g/L | 0I20 | 0I11 | Ej 8W2J4IJ | ND | | 1 |
| Naputualene | ND | . g/L | 0I20 | 0IC# | Ej 8W2J4IJ | ND | | 1 |
| nWropylben6ene | ND | . g/L | 0I20 | 0I11 | Ej 8W2J4IJ | ND | | 1 |
| Styrene | ND | . g/L | 0I20 | 0I0#3 | Ej 8W2J4IJ | ND | | 1 |
| 1F1F2W7etraculoroetuane | ND | . g/L | 0I20 | 0I13 | Ej 8W2J4IJ | ND | | 1 |
| 1F1F3W7etraculoroetuane | ND | . g/L | 0I20 | 0I17 | Ej 8W2J4IJ | ND | | 1 |
| **TetragMoroetMene** | **8d74** | **uO#** | **8d58** | **8d17** | **Q( N6534d3** | ND | , | 1 |
| Tol. ene | ND | . g/L | 0I20 | 0I09C | Ej 8W2J4IJ | ND | | 1 |
| 1F3FCW7riculoroben6ene | ND | . g/L | 0I20 | 0I1# | Ej 8W2J4IJ | ND | | 1 |
| 1F3F4W7riculoroben6ene | ND | . g/L | 0I20 | 0I19 | Ej 8W2J4IJ | ND | | 1 |
| 1F1F1W7riculoroetuane | ND | . g/L | 0I20 | 0I11 | Ej 8W2J4IJ | ND | | 1 |
| 1F1F2W7riculoroetuane | ND | . g/L | 0I20 | 0I1# | Ej 8W2J4IJ | ND | | 1 |
| Triculoroetuene | ND | . g/L | 0I20 | 0I032 | Ej 8W2J4IJ | ND | | 1 |
| Triculorofl. orometuane | ND | . g/L | 0I20 | 0I1C | Ej 8W2J4IJ | ND | | 1 |
| 1F2FCW7riculoropropane | ND | . g/L | 1I0 | 0IJ4 | Ej 8W2J4IJ | ND | | 1 |
| 1F1F2W7riculoroWF2FWifl. oroetuane | ND | . g/L | 0I20 | 0I12 | Ej 8W2J4IJ | ND | | 1 |
| 1F3F4W7rimetuylben6ene | ND | . g/L | 0I20 | 0I1J | Ej 8W2J4IJ | ND | | 1 |
| 1FC2W7rimetuylben6ene | ND | . g/L | 0I20 | 0I1J | Ej 8W2J4IJ | ND | | 1 |
| Vinyl culori, e | ND | . g/L | 0I20 | 0I1J | Ej 8W2J4IJ | ND | | 1 |
| 8cetone | ND | . g/L | 10 | 4I# | Ej 8W2J4IJ | ND | | 1 |
| 8crylonitrile | ND | . g/L | 2I0 | 1IJ | Ej 8W2J4IJ | ND | | 1 |
| 8llyl culori, e | ND | . g/L | 2I0 | 0I30 | Ej 8W2J4IJ | ND | | 1 |
| tWmyl z etuyl etuer | ND | . g/L | 0I20 | 0IJ2 | Ej 8W2J4IJ | ND | | 1 |
| tWv. tyl alcouol | ND | . g/L | 10 | 9I4 | Ej 8W2J4IJ | ND | | 1 |
| Barbon , is. lfi, e | ND | . g/L | 1I0 | 0IC3 | Ej 8W2J4IJ | ND | | 1 |
| transWF4WiculoroWWv. tene | ND | . g/L | 2I0 | 1I4 | Ej 8W2J4IJ | ND | | 1 |

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**ReportehF** 07/12/J014 1#:4#
j ro-ect: Rialto j erculorate qnvestigaton
j ro-ect N. mber: J01CW100
j ro-ect z anager: Gason Sapp

# y olatile V rOanig NnalEsis cQ( N P etMoh 534d3.

**2 C: Sample Iv F** 14122J1W02 | **Client Sample - ameF** QBEd P7/9/J014 1J:00:008z

| Constituent | Result | x nits | ( A: | P v: | P etMoh | P 2 2 ias | : ab Auals | Run U |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl etuer | ND | . g/L | 0I20 | 0IJC | Ej 8 W2J4IJ | ND | | 1 |
| Etuyl metuacrylate | ND | . g/L | 4I0 | 0I97 | Ej 8 W2J4IJ | ND | | 1 |
| Etuyl tW. tyl etuer | ND | . g/L | 0I20 | 0I13 | Ej 8 W2J4IJ | ND | | 1 |
| JWexanone | ND | . g/L | 10 | CI4 | Ej 8 W2J4IJ | ND | | 1 |
| z etuacrylonitrile | ND | . g/L | 10 | 1I7 | Ej 8 W2J4IJ | ND | | 1 |
| z etuyl etuyl Cetone | ND | . g/L | 10 | JI2 | Ej 8 W2J4IJ | ND | | 1 |
| z etuyl io, i, e | ND | . g/L | JI0 | 0I47 | Ej 8 W2J4IJ | ND | | 1 |
| z etuyl isob. tyl Cetone | ND | . g/L | 10 | JI1 | Ej 8 W2J4IJ | ND | | 1 |
| z etuyl metuacrylate | ND | . g/L | 2I0 | 1I2 | Ej 8 W2J4IJ | ND | | 1 |
| Nitroben6ene | ND | . g/L | C0 | 1C | Ej 8 W2J4IJ | ND | | 1 |
| j entaculoroetuane | ND | . g/L | JI0 | 0I4C | Ej 8 W2J4IJ | ND | | 1 |
| j ropionitrile | ND | . g/L | J0 | 4IJ | Ej 8 W2J4IJ | ND | | 1 |
| Tetrauy, rof. ran | ND | . g/L | J0 | 2IJ | Ej 8 W2J4IJ | ND | | 1 |
| pW& mWXylenes | ND | . g/L | 0I20 | 0IJ3 | Ej 8 W2J4IJ | ND | | 1 |
| oWXylene | ND | . g/L | 0I20 | 0I03J | Ej 8 W2J4IJ | ND | | 1 |
| 1F1W2iculoroetuaneW4 (S. rrogate) | 109 | % | 72 WIJ2 (LBL WUBL) | | Ej 8 W2J4IJ | | | 1 |
| Tol. eneW3 (S. rrogate) | 101 | % | 30 WIJ0 (LBL WUBL) | | Ej 8 W2J4IJ | | | 1 |
| 4WWromofl. oroben6ene (S. rrogate) | 9JI9 | % | 30 WIJ0 (LBL WUBL) | | Ej 8 W2J4IJ | | | 1 |

| Run U | P etMoh | ( rep v ate | Run v ate#Time | NnalEst | Instrument | v ilution | AC 2 atgMIv |
|---|---|---|---|---|---|---|---|
| 1 | Ej 8 W2J4IJ | 07/10/14 | 07/11/14 1C:03 | GBB | z SW14 | 1 | dXA03C9 |

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**ReportehF** 07/12/J014 1#:4#
j ro-ect: Rialto j erculorate qnvestigaton
j ro-ect N. mber: J01CW100
j ro-ect z anager: Gason Sapp

# y olatile VrOanig NnalEsis cQ( N P etMoh 534cB.

**2 C: Sample Iv F** 14122J1W#  **Client Sample - ameF** QBTdP7/9/J014 1J:00:008z

| Constituent | Result | x nits | ( A: | P v: | P etMoh | P 2 2 ias | : ab Auals | Run U |
|---|---|---|---|---|---|---|---|---|
| d en6ene | ND | . g/L | 0I20 | 0I03C | Ej 8 W2J4IJ | ND | | 1 |
| d romoben6ene | ND | . g/L | 0I20 | 0I1C | Ej 8 W2J4IJ | ND | | 1 |
| d romoculorometuane | ND | . g/L | 0I20 | 0IJ4 | Ej 8 W2J4IJ | ND | | 1 |
| d romo, iculorometuane | ND | . g/L | 0I20 | 0I14 | Ej 8 W2J4IJ | ND | | 1 |
| d romoform | ND | . g/L | 0I20 | 0IJ7 | Ej 8 W2J4IJ | ND | | 1 |
| d romometuane | ND | . g/L | 1I0 | 0IJ2 | Ej 8 W2J4IJ | ND | | 1 |
| nWt. tylben6ene | ND | . g/L | 0I20 | 0I11 | Ej 8 W2J4IJ | ND | | 1 |
| secWt. tylben6ene | ND | . g/L | 0I20 | 0I12 | Ej 8 W2J4IJ | ND | | 1 |
| tertWt. tylben6ene | ND | . g/L | 0I20 | 0I1C | Ej 8 W2J4IJ | ND | | 1 |
| Barbon tetraculori, e | ND | . g/L | 0I20 | 0I13 | Ej 8 W2J4IJ | ND | | 1 |
| Buloroben6ene | ND | . g/L | 0I20 | 0I09C | Ej 8 W2J4IJ | ND | | 1 |
| Buloroetuane | ND | . g/L | 0I20 | 0I14 | Ej 8 W2J4IJ | ND | | 1 |
| Buloroform | ND | . g/L | 0I20 | 0I1J | Ej 8 W2J4IJ | ND | | 1 |
| Buloromet uane | ND | . g/L | 0I20 | 0I14 | Ej 8 W2J4IJ | ND | | 1 |
| JWBulorotol. ene | ND | . g/L | 0I20 | 0IJ0 | Ej 8 W2J4IJ | ND | | 1 |
| 4WBulorotol. ene | ND | . g/L | 0I20 | 0I12 | Ej 8 W2J4IJ | ND | | 1 |
| Dibromoculorometuane | ND | . g/L | 0I20 | 0I1C | Ej 8 W2J4IJ | ND | | 1 |
| 1P3WDibromoWCWuloropropane | ND | . g/L | 1I0 | 0I44 | Ej 8 W2J4IJ | ND | | 1 |
| 1P3WDibromoetuane | ND | . g/L | 0I20 | 0I1# | Ej 8 W2J4IJ | ND | | 1 |
| Dibromometuane | ND | . g/L | 0I20 | 0IJ4 | Ej 8 W2J4IJ | ND | | 1 |
| 1P3WDiculoroben6ene | ND | . g/L | 0I20 | 0I07J | Ej 8 W2J4IJ | ND | | 1 |
| 1PCWDiculoroben6ene | ND | . g/L | 0I20 | 0I12 | Ej 8 W2J4IJ | ND | | 1 |
| 1P4WDiculoroben6ene | ND | . g/L | 0I20 | 0I0#J | Ej 8 W2J4IJ | ND | | 1 |
| Diculoro, ifl. orometuane | ND | . g/L | 0I20 | 0I099 | Ej 8 W2J4IJ | ND | | 1 |
| 1P1WDiculoroetuane | ND | . g/L | 0I20 | 0I11 | Ej 8 W2J4IJ | ND | | 1 |
| 1P3WDiculoroetuane | ND | . g/L | 0I20 | 0I17 | Ej 8 W2J4IJ | ND | | 1 |
| 1P1WDiculoroetuene | ND | . g/L | 0I20 | 0I13 | Ej 8 W2J4IJ | ND | | 1 |
| cisWP3WDiculoroetuene | ND | . g/L | 0I20 | 0I032 | Ej 8 W2J4IJ | ND | | 1 |
| transWP3WDiculoroetuene | ND | . g/L | 0I20 | 0I12 | Ej 8 W2J4IJ | ND | | 1 |
| 1P3WDiculoropropane | ND | . g/L | 0I20 | 0I1C | Ej 8 W2J4IJ | ND | | 1 |
| 1PCWDiculoropropane | ND | . g/L | 0I20 | 0I03# | Ej 8 W2J4IJ | ND | | 1 |
| JP3WDiculoropropane | ND | . g/L | 0I20 | 0I1C | Ej 8 W2J4IJ | ND | | 1 |
| 1P1WDiculoropropene | ND | . g/L | 0I20 | 0I032 | Ej 8 W2J4IJ | ND | | 1 |

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**ReportehF** 07/12/J014 1#:4#
j ro-ect: Rialto j erculorate qnvestigaton
j ro-ect N. mber: J01CW100
j ro-ect z anager: Gason Sapp

# y olatile V rOanig NnalEsis cQ( N P etMoh 534d3.

| 2 C: Sample Iv F | 14122J1W# | Client Sample - ameF | QBTd P7/9/J014 1J:00:008z |
|---|---|---|---|

| Constituent | Result | x nits | ( A: | P v: | P etMoh | P 2 2 ias | : ab Auals | Run U |
|---|---|---|---|---|---|---|---|---|
| cisWFCWDiculoropropene | ND | . g/L | 0I20 | 0I14 | Ej 8 W2J4IJ | ND | | 1 |
| transWFCWDiculoropropene | ND | . g/L | 0I20 | 0I079 | Ej 8 W2J4IJ | ND | | 1 |
| Etuylben6ene | ND | . g/L | 0I20 | 0I093 | Ej 8 W2J4IJ | ND | | 1 |
| Hexaculorob. ta, iene | ND | . g/L | 0I20 | 0I17 | Ej 8 W2J4IJ | ND | | 1 |
| qsopropylben6ene | ND | . g/L | 0I20 | 0I14 | Ej 8 W2J4IJ | ND | | 1 |
| pWqsopropyltol. ene | ND | . g/L | 0I20 | 0I1J | Ej 8 W2J4IJ | ND | | 1 |
| z etuylene culori, e | ND | . g/L | 0I20 | 0I43 | Ej 8 W2J4IJ | ND | | 1 |
| z etuyl tWv. tyl etuer | ND | . g/L | 0I20 | 0I11 | Ej 8 W2J4IJ | ND | | 1 |
| Naputualene | ND | . g/L | 0I20 | 0IC# | Ej 8 W2J4IJ | ND | | 1 |
| nWropylben6ene | ND | . g/L | 0I20 | 0I11 | Ej 8 W2J4IJ | ND | | 1 |
| Styrene | ND | . g/L | 0I20 | 0I0#3 | Ej 8 W2J4IJ | ND | | 1 |
| 1F1F1F3WTetraculoroetuane | ND | . g/L | 0I20 | 0I13 | Ej 8 W2J4IJ | ND | | 1 |
| 1F1F2F3WTetraculoroetuane | ND | . g/L | 0I20 | 0I17 | Ej 8 W2J4IJ | ND | | 1 |
| Tetraculoroetuene | ND | . g/L | 0I20 | 0I1C | Ej 8 W2J4IJ | ND | | 1 |
| Tol. ene | ND | . g/L | 0I20 | 0I09C | Ej 8 W2J4IJ | ND | | 1 |
| 1F3FCWTriculoroben6ene | ND | . g/L | 0I20 | 0I1# | Ej 8 W2J4IJ | ND | | 1 |
| 1F3F4WTriculoroben6ene | ND | . g/L | 0I20 | 0I19 | Ej 8 W2J4IJ | ND | | 1 |
| 1F1F1WTriculoroetuane | ND | . g/L | 0I20 | 0I11 | Ej 8 W2J4IJ | ND | | 1 |
| 1F1F2WTriculoroetuane | ND | . g/L | 0I20 | 0I1# | Ej 8 W2J4IJ | ND | | 1 |
| Triculoroetuene | ND | . g/L | 0I20 | 0I032 | Ej 8 W2J4IJ | ND | | 1 |
| Triculorofl. orometuane | ND | . g/L | 0I20 | 0I1C | Ej 8 W2J4IJ | ND | | 1 |
| 1F2FCWTriculoropropane | ND | . g/L | 1I0 | 0IJ4 | Ej 8 W2J4IJ | ND | | 1 |
| 1F1F2WTriculoroWF2FWifl. oroetuane | ND | . g/L | 0I20 | 0I12 | Ej 8 W2J4IJ | ND | | 1 |
| 1F3F4WTrimetuylben6ene | ND | . g/L | 0I20 | 0I1J | Ej 8 W2J4IJ | ND | | 1 |
| 1FC2WTrimetuylben6ene | ND | . g/L | 0I20 | 0I1J | Ej 8 W2J4IJ | ND | | 1 |
| Vinyl culori, e | ND | . g/L | 0I20 | 0I1J | Ej 8 W2J4IJ | ND | | 1 |
| 8cetone | ND | . g/L | 10 | 4I# | Ej 8 W2J4IJ | ND | | 1 |
| 8crylonitrile | ND | . g/L | 2I0 | 1IJ | Ej 8 W2J4IJ | ND | | 1 |
| 8llyl culori, e | ND | . g/L | 2I0 | 0I30 | Ej 8 W2J4IJ | ND | | 1 |
| tWmyl z etuyl etuer | ND | . g/L | 0I20 | 0IJ2 | Ej 8 W2J4IJ | ND | | 1 |
| tWv. tyl alcouol | ND | . g/L | 10 | 9I4 | Ej 8 W2J4IJ | ND | | 1 |
| Barbon , is. lfi, e | ND | . g/L | 1I0 | 0IC3 | Ej 8 W2J4IJ | ND | | 1 |
| transWF4WDiculoroWWv. tene | ND | . g/L | 2I0 | 1I4 | Ej 8 W2J4IJ | ND | | 1 |

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**ReportehF** 07/12/J014 1#:4#
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j ro-ect N. mber: J01CW100
j ro-ect z anager: Gason Sapp

# y olatile V rOanig NnalEsis cQ( N P etMoh 534d3.

**2 C: Sample Iv F** 14122J1W0# | **Client Sample - ameF** QBTd P7/9/J014 1J:00:008z

| Constituent | Result | x nits | ( A: | P v: | P etMoh | P 2 2 ias | : ab Auals | Run U |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl etuer | ND | . g/L | 0I20 | 0IJC | Ej 8 W2J4IJ | ND | | 1 |
| Etuyl metuacrylate | ND | . g/L | 4I0 | 0I97 | Ej 8 W2J4IJ | ND | | 1 |
| Etuyl tW. tyl etuer | ND | . g/L | 0I20 | 0I13 | Ej 8 W2J4IJ | ND | | 1 |
| JWexanone | ND | . g/L | 10 | CI4 | Ej 8 W2J4IJ | ND | | 1 |
| z etuacrylonitrile | ND | . g/L | 10 | 1I7 | Ej 8 W2J4IJ | ND | | 1 |
| z etuyl etuyl Cetone | ND | . g/L | 10 | JI2 | Ej 8 W2J4IJ | ND | | 1 |
| z etuyl io, i, e | ND | . g/L | JI0 | 0I47 | Ej 8 W2J4IJ | ND | | 1 |
| z etuyl isob. tyl Cetone | ND | . g/L | 10 | JI1 | Ej 8 W2J4IJ | ND | | 1 |
| z etuyl metuacrylate | ND | . g/L | 2I0 | 1I2 | Ej 8 W2J4IJ | ND | | 1 |
| Nitroben6ene | ND | . g/L | C0 | 1C | Ej 8 W2J4IJ | ND | | 1 |
| j entaculoroetuane | ND | . g/L | JI0 | 0I4C | Ej 8 W2J4IJ | ND | | 1 |
| j ropionitrile | ND | . g/L | J0 | 4IJ | Ej 8 W2J4IJ | ND | | 1 |
| Tetrauy, rof. ran | ND | . g/L | J0 | 2IJ | Ej 8 W2J4IJ | ND | | 1 |
| pW& mWXylenes | ND | . g/L | 0I20 | 0IJ3 | Ej 8 W2J4IJ | ND | | 1 |
| oWXylene | ND | . g/L | 0I20 | 0I03J | Ej 8 W2J4IJ | ND | | 1 |
| 1F1W2iculoroetuaneW4 (S. rrogate) | 107 | % | 72 WIJ2 (LBL WUBL) | | Ej 8 W2J4IJ | | | 1 |
| Tol. eneW3 (S. rrogate) | 93I9 | % | 30 WIJ0 (LBL WUBL) | | Ej 8 W2J4IJ | | | 1 |
| 4WWromofl. oroben6ene (S. rrogate) | 90I7 | % | 30 WIJ0 (LBL WUBL) | | Ej 8 W2J4IJ | | | 1 |

| Run U | P etMoh | ( rep v ate | Run v ate#Time | NnalEst | Instrument | v ilution | AC 2 atgMIv |
|---|---|---|---|---|---|---|---|
| 1 | Ej 8 W2J4IJ | 07/10/14 | 07/11/14 1J:4# | GBB | z SW14 | 1 | dXA03C9 |

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j ro-ect N. mber: J01CW100
j ro-ect z anager: Gason Sapp

# y olatile V rOanig NnalEsis cQ( N P etMbh 534c3.

## AualitE Control Report 6P etMbh 2 lank NnalEsis

| Constituent | AC Sample lv | P 2 Result | x nits | ( A: | P v : | : ab Auals |
|---|---|---|---|---|---|---|
| **AC 2 atgMIv F 2 XW8J7/** | | | | | | |
| d en6ene | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I03C | |
| d romoben6ene | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I1C | |
| d romoculorometuane | d XA03C9WLK1 | ND | . g/L | 0I20 | 0IJ4 | |
| d romo, iculorometuane | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I14 | |
| d romoform | d XA03C9WLK1 | ND | . g/L | 0I20 | 0IJ7 | |
| d romometuane | d XA03C9WLK1 | ND | . g/L | 1I0 | 0IJ2 | |
| nW. tylben6ene | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I11 | |
| secW. tylben6ene | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I12 | |
| tertW. tylben6ene | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I1C | |
| Barbon tetraculori, e | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I13 | |
| Buloroben6ene | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I09C | |
| Buloroetuane | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I14 | |
| Buloroform | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I1J | |
| Bulorometuane | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I14 | |
| JWBulorotol. ene | d XA03C9WLK1 | ND | . g/L | 0I20 | 0IJ0 | |
| 4WBulorotol. ene | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I12 | |
| Dibromoculorometuane | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I1C | |
| 1P3WDibromoWCWuloropropane | d XA03C9WLK1 | ND | . g/L | 1I0 | 0I44 | |
| 1P3WDibromoetuane | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I1# | |
| Dibromometuane | d XA03C9WLK1 | ND | . g/L | 0I20 | 0IJ4 | |
| 1P3WDiculoroben6ene | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I07J | |
| 1PCWDiculoroben6ene | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I12 | |
| 1P4WDiculoroben6ene | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I0#J | |
| Diculoro, ifl. orometuane | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I099 | |
| 1P1WDiculoroetuane | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I11 | |
| 1P3WDiculoroetuane | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I17 | |
| 1P1WDiculoroetuene | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I13 | |
| cisWP3WDiculoroetuene | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I032 | |
| transWP3WDiculoroetuene | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I12 | |
| 1P3WDiculoropropane | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I1C | |
| 1PCWDiculoropropane | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I03# | |
| JP3WDiculoropropane | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I1C | |
| 1P1WDiculoropropene | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I032 | |
| cisWPCWDiculoropropene | d XA03C9WLK1 | ND | . g/L | 0I20 | 0I14 | |

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**ReportehF** 07/12/J014 1#:4#
j ro-ect: Rialto j erculorate qnvestigaton
j ro-ect N. mber: J01CW100
j ro-ect z anager: Gason Sapp

# y olatile VrOanig NnalEsis oQ( N P etMbh 534o3.

## AualitE Control Report 6P etMbh 2 lank NnalEsis

| Constituent | AC Sample lv | P 2 Result | x nits | ( A: | P v: | : ab Auals |
|---|---|---|---|---|---|---|
| **AC 2 atgMIv F 2 XW8J7/** | | | | | | |
| transW1P2Wiculoropropene | dXA03C9WLK1 | ND | . g/L | 0I20 | 0I079 | |
| Etuylben6ene | dXA03C9WLK1 | ND | . g/L | 0I20 | 0I093 | |
| Hexaculorob. ta, iene | dXA03C9WLK1 | ND | . g/L | 0I20 | 0I17 | |
| qsopropylben6ene | dXA03C9WLK1 | ND | . g/L | 0I20 | 0I14 | |
| pWqsopropyltol. ene | dXA03C9WLK1 | ND | . g/L | 0I20 | 0I1J | |
| z etuylene culori, e | dXA03C9WLK1 | ND | . g/L | 0I20 | 0I43 | |
| z etuyl tW. tyl etuer | dXA03C9WLK1 | ND | . g/L | 0I20 | 0I11 | |
| Naputualene | dXA03C9WLK1 | ND | . g/L | 0I20 | 0IC# | |
| nWropylben6ene | dXA03C9WLK1 | ND | . g/L | 0I20 | 0I11 | |
| Styrene | dXA03C9WLK1 | ND | . g/L | 0I20 | 0I0#3 | |
| 1P1P1P3WetraculoroetuaneW | dXA03C9WLK1 | ND | . g/L | 0I20 | 0I13 | |
| 1P1P3P3WetraculoroetuaneW | dXA03C9WLK1 | ND | . g/L | 0I20 | 0I17 | |
| Tetraculoroetuene | dXA03C9WLK1 | ND | . g/L | 0I20 | 0I1C | |
| Tol. ene | dXA03C9WLK1 | ND | . g/L | 0I20 | 0I09C | |
| 1P3P2Wriculoroben6eneW | dXA03C9WLK1 | ND | . g/L | 0I20 | 0I1# | |
| 1P3P4Wriculoroben6eneW | dXA03C9WLK1 | ND | . g/L | 0I20 | 0I19 | |
| 1P1P1WriculoroetuaneW | dXA03C9WLK1 | ND | . g/L | 0I20 | 0I11 | |
| 1P1P3WriculoroetuaneW | dXA03C9WLK1 | ND | . g/L | 0I20 | 0I1# | |
| Triculoroetuene | dXA03C9WLK1 | ND | . g/L | 0I20 | 0I032 | |
| Triculorofl. orometuane | dXA03C9WLK1 | ND | . g/L | 0I20 | 0I1C | |
| 1P3P2WriculoropropaneW | dXA03C9WLK1 | ND | . g/L | 1I0 | 0IJ4 | |
| 1P1P3WriculoroW1P3P3Wifl. oroetuane | dXA03C9WLK1 | ND | . g/L | 0I20 | 0I12 | |
| 1P3P4Wrimetuylben6eneW | dXA03C9WLK1 | ND | . g/L | 0I20 | 0I1J | |
| 1P2P2Wrimetuylben6eneW | dXA03C9WLK1 | ND | . g/L | 0I20 | 0I1J | |
| Vinyl culori, e | dXA03C9WLK1 | ND | . g/L | 0I20 | 0I1J | |
| 8cetone | dXA03C9WLK1 | ND | . g/L | 10 | 4I# | |
| 8crylonitrile | dXA03C9WLK1 | ND | . g/L | 2I0 | 1IJ | |
| 8llyl culori, e | dXA03C9WLK1 | ND | . g/L | 2I0 | 0I30 | |
| tW8myl z etuyl etuer | dXA03C9WLK1 | ND | . g/L | 0I20 | 0IJ2 | |
| tW. tyl alcouol | dXA03C9WLK1 | ND | . g/L | 10 | 9I4 | |
| Barbon , is. lfi, e | dXA03C9WLK1 | ND | . g/L | 1I0 | 0IC3 | |
| transW1P4WiculoroWW. tene | dXA03C9WLK1 | ND | . g/L | 2I0 | 1I4 | |
| Diisopropyl etuer | dXA03C9WLK1 | ND | . g/L | 0I20 | 0IJC | |
| Etuyl metuacrylate | dXA03C9WLK1 | ND | . g/L | 4I0 | 0I97 | |

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**ReportehF** 07/12/J014 1#:4#
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j ro-ect N. mber: J01CW100
j ro-ect z anager: Gason Sapp

# y olatile V rOanig NnalEsis cQ( N P etMbh 534c3.

## AualitE Control Report 6P etMbh 2 lank NnalEsis

| Constituent | AC Sample lv | P 2 Result | x nits | ( A: | P v : | : ab Auals |
|---|---|---|---|---|---|---|
| **AC 2 atgMIv F 2 XW8J7/** | | | | | | |
| Etuyl tW. tyl etuer | d XA 03C9WLK1 | ND | . g/L | 0I20 | 0I13 | |
| JWlexanone | d XA 03C9WLK1 | ND | . g/L | 10 | CI4 | |
| z etuacrylonitrile | d XA 03C9WLK1 | ND | . g/L | 10 | 1I7 | |
| z etuyl etuyl Oetone | d XA 03C9WLK1 | ND | . g/L | 10 | JI2 | |
| z etuyl io, i, e | d XA 03C9WLK1 | ND | . g/L | JI0 | 0I47 | |
| z etuyl isob. tyl Oetone | d XA 03C9WLK1 | ND | . g/L | 10 | JI1 | |
| z etuyl metuacrylate | d XA 03C9WLK1 | ND | . g/L | 2I0 | 1I2 | |
| Nitroben6ene | d XA 03C9WLK1 | ND | . g/L | C0 | 1C | |
| j entaculoroetuane | d XA 03C9WLK1 | ND | . g/L | JI0 | 0I4C | |
| j ropionitrile | d XA 03C9WLK1 | ND | . g/L | J0 | 4IJ | |
| Tetrauy, rof. ran | d XA 03C9WLK1 | ND | . g/L | J0 | 2IJ | |
| pW& mWXylenes | d XA 03C9WLK1 | ND | . g/L | 0I20 | 0IJ3 | |
| oWXylene | d XA 03C9WLK1 | ND | . g/L | 0I20 | 0I03J | |
| **19 86v igMloroetMane6n4 cSurroOate.** | **2 XW8J7/ 62 : K1** | **118** | % | **05 6135 c C: 6x C: .** | | |
| **Toluene6nJ cSurroOate.** | **2 XW8J7/ 62 : K1** | **188** | % | **J8 6138 c C: 6x C: .** | | |
| **462 romofluorobenzene cSurroOate.** | **2 XW8J7/ 62 : K1** | **/ 1dl** | % | **J8 6138 c C: 6x C: .** | | |

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j ro-ect N. mber: J01CW100
j ro-ect z anager: Gason Sapp

# y olatile VrOanig NnalEsis cQ( N P etMbh 534c3.

## AualitE Control Report 6: aboratorE Control Sample

| Constituent | AC Sample Iv | TEpe | Result | Spike : ej el | x nits | ( ergent Regoj erE | R( v | Control : imits ( ergent Regoj erE | R( v | : ab Auals |
|---|---|---|---|---|---|---|---|---|---|---|
| **AC 2 atgMIv F 2 XW8J7/** | | | | | | | | | | |
| den6ene | dXA03C9WS1 | LBS | J4I3J9 | J2I000 | . g/L | 99IC | | 70 W1C0 | | |
| dromo, iculorometuane | dXA03C9WS1 | LBS | J4IJ02 | J2I000 | . g/L | 9#I3 | | 70 W1C0 | | |
| Buloroben6ene | dXA03C9WS1 | LBS | JJI2C3 | J2I000 | . g/L | 90IJ | | 70 W1C0 | | |
| Buloroetuane | dXA03C9WS1 | LBS | JJIC70 | J2I000 | . g/L | 39I2 | | 70 W1C0 | | |
| 1P4WDiculoroben6ene | dXA03C9WS1 | LBS | JCI339 | J2I000 | . g/L | 92I# | | 70 W1C0 | | |
| 1P1WDiculoroetuane | dXA03C9WS1 | LBS | J2IC3C | J2I000 | . g/L | 10J | | 70 W1C0 | | |
| 1P1WDiculoroetuene | dXA03C9WS1 | LBS | J7I7C0 | J2I000 | . g/L | 111 | | 70 W1C0 | | |
| Tol. ene | dXA03C9WS1 | LBS | JCIC4# | J2I000 | . g/L | 9CI4 | | 70 W1C0 | | |
| Triculoroetuene | dXA03C9WS1 | LBS | J3I11J | J2I000 | . g/L | 11J | | 70 W1C0 | | |
| 1P3WDiculoroetuaneW,4 (S. rrogate) | dXA03C9WS1 | LBS | 10IJJ0 | 10I000 | . g/L | 10J | | 72 W1J2 | | |
| Tol. eneW,3 (S. rrogate) | dXA03C9WS1 | LBS | 10I120 | 10I000 | . g/L | 10J | | 30 W1J0 | | |
| 4WdromofI. oroben6ene (S. rrogate) | dXA03C9WS1 | LBS | 9I3000 | 10I000 | . g/L | 93I0 | | 30 W1J0 | | |

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**BC Laboratories, Inc.**
Environmental Testing Laboratory Since 1949

A eologic 8 ssociates
13C1 B ommercenter East
San d ernar, inoPB8 9J403

**ReportehF** 07/12/J014 1#:4#
j ro-ect: Rialto j erculorate qnvestigaton
j ro-ect N. mber: J01CW100
j ro-ect z anager: Gason Sapp

# y olatile V rOanig NnalEsis cQ( N P etMbh 534c3.

## AualitE Control Report 6( regision & NgguragE

| Constituent | TEpe | Sourge Sample Iv | Sourge Result | Result | Spike Nhheh | x nits | R( v | ( ergent Regoj erE | Control : imits R( v | ( ergent Regoj erE | : ab Auals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC 2 atgMIv F 2 XW8J7/** | Use, client sample: N | | | | | | | | | | |
| d en6ene | z S | 1414#0CW01 | ND | J2I739 | J2I000 | . g/L | | 10C | | 70 WIC0 | |
| | z SD | 1414#0CW01 | ND | J#I13C | J2I000 | . g/L | 1I2 | 102 | J0 | 70 WIC0 | |
| d romo, iculorometuane | z S | 1414#0CW01 | ND | J4I32J | J2I000 | . g/L | | 99I4 | | 70 WIC0 | |
| | z SD | 1414#0CW01 | ND | J2I143 | J2I000 | . g/L | 1IJ | 101 | J0 | 70 WIC0 | |
| Buloroben6ene | z S | 1414#0CW01 | ND | JCI#17 | J2I000 | . g/L | | 94I2 | | 70 WIC0 | |
| | z SD | 1414#0CW01 | ND | JCI2J1 | J2I000 | . g/L | 0I4 | 94I1 | J0 | 70 WIC0 | |
| Buloroetuane | z S | 1414#0CW01 | ND | JJI29# | J2I000 | . g/L | | 90I4 | | 70 WIC0 | |
| | z SD | 1414#0CW01 | ND | JCI271 | J2I000 | . g/L | 4IJ | 94IC | J0 | 70 WIC0 | |
| 1P4WDiculoroben6ene | z S | 1414#0CW01 | ND | J2I770 | J2I000 | . g/L | | 10C | | 70 WIC0 | |
| | z SD | 1414#0CW01 | ND | J2I42J | J2I000 | . g/L | 1IJ | 10J | J0 | 70 WIC0 | |
| 1P1WDiculoroetuane | z S | 1414#0CW01 | ND | J#IC29 | J2I000 | . g/L | | 102 | | 70 WIC0 | |
| | z SD | 1414#0CW01 | ND | J#I342 | J2I000 | . g/L | 1I3 | 107 | J0 | 70 WIC0 | |
| 1P1WDiculoroetuene | z S | 1414#0CW01 | ND | J3I#19 | J2I000 | . g/L | | 114 | | 70 WIC0 | |
| | z SD | 1414#0CW01 | ND | J9I122 | J2I000 | . g/L | 1I9 | 117 | J0 | 70 WIC0 | |
| Tol. ene | z S | 1414#0CW01 | ND | JCI913 | J2I000 | . g/L | | 92I7 | | 70 WIC0 | |
| | z SD | 1414#0CW01 | ND | JCI947 | J2I000 | . g/L | 0I1 | 92I3 | J0 | 70 WIC0 | |
| Triculoroetuene | z S | 1414#0CW01 | 0ICCJ00 | J#I#7J | J2I000 | . g/L | | 102 | | 70 WIC0 | |
| | z SD | 1414#0CW01 | 0ICCJ00 | J#I302 | J2I000 | . g/L | 0I2 | 10# | J0 | 70 WIC0 | |
| 1P3WDiculoroetuaneW,W4 (S. rrogate) | z S | 1414#0CW01 | ND | 10I310 | 10I000 | . g/L | | 103 | | 72 WIJ2 | |
| | z SD | 1414#0CW01 | ND | 10I7J0 | 10I000 | . g/L | 0I3 | 107 | | 72 WIJ2 | |
| Tol. eneW,W3 (S. rrogate) | z S | 1414#0CW01 | ND | 10I100 | 10I000 | . g/L | | 101 | | 30 WIJ0 | |
| | z SD | 1414#0CW01 | ND | 9I9300 | 10I000 | . g/L | 1IJ | 99I3 | | 30 WIJ0 | |
| 4WBromofl. oroben6ene (S. rrogate) | z S | 1414#0CW01 | ND | 9I3300 | 10I000 | . g/L | | 93I3 | | 30 WIJ0 | |
| | z SD | 1414#0CW01 | ND | 9I9200 | 10I000 | . g/L | 0I7 | 99I2 | | 30 WIJ0 | |

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| | |
|---|---|
| Aeologic 8ssociates<br>13C1 Bommercenter East<br>San dernar, inoPB8 9J403 | **ReportehF** 07/12/J014 1#:4#<br>j ro-ect: Rialto j erculorate qnvestigaton<br>j ro-ect N. mber: J01CW100<br>j ro-ect z anager: Gason Sapp |

# ) ater NnalEsis dWeneral CMemistrE.

## AualitE Control Report 6P etMoh 2 lank NnalEsis

| Constituent | AC Sample lv | P 2 Result | x nits | ( A: | P v : | : ab Auals |
|---|---|---|---|---|---|---|
| **AC 2 atgMIv F 2 XW11BJ** | | | | | | |
| j erculorate | dXA11#3WLK1 | ND | . g/L | 4I0 | 0I42 | |

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Aeologic 8ssociates
13C1 Bommercenter East
San dernar, inoPB8 9J403

**ReportehF** 07/12/J014 1#:4#
j ro-ect: Rialto j erculorate qnvestigaton
j ro-ect N. mber: J01CW100
j ro-ect z anager: Gason Sapp

# ) ater NnalEsis dWeneral CMemistrE.

## AualitE Control Report 6: aboratorE Control Sample

| Constituent | AC Sample lv | TEpe | Result | Spike : ej el | x nits | ( ergent Regoj erE | R( v | Control : imits ( ergent Regoj erE | R( v | : ab Auals |
|---|---|---|---|---|---|---|---|---|---|---|
| **AC 2 atgMIv F 2 XW11BJ** | | | | | | | | | | |
| j erculorate | dXA11#3WS1 | LBS | 9I101C | 10I000 | . g/L | 91I0 | | 32 W12 | | |

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| | |
|---|---|
| Aeologic 8ssociates<br>13C1 Bommercenter East<br>San dernar, inoPB8 9J403 | **ReportehF** 07/12/J014 1#:4#<br>j ro-ect: Rialto j erculorate qnvestigaton<br>j ro-ect N. mber: J01CW100<br>j ro-ect z anager: Gason Sapp |

# ) ater NnalEsis dWeneral CMemistrE.

## AualitE Control Report 6( regision & NggguragE

| Constituent | TEpe | Sourge Sample Iv | Sourge Result | Result | Spike Nhheh | x nits | R( v | ( ergent Regoj erE | Control : imits R( v | ( ergent Regoj erE | : ab Auals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC 2 atgMIv F 2 XW11BJ** | Use, client sample: N | | | | | | | | | | |
| j erculorate | DUj | 1412219W04 | ND | ND | | . g/L | | | 12 | | |
| | z S | 1412219W04 | ND | 3I417# | 10I101 | . g/L | | 3CIC | | 30 WIJ0 | |
| | z SD | 1412219W04 | ND | 9I0301 | 10I101 | . g/L | 7I# | 39I9 | 12 | 30 WIJ0 | |

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| | |
|---|---|
| A eologic 8 ssociates<br>13C1 Bommercenter East<br>San d ernar, inoPB8 9J403 | **ReportehF** 07/12/J014 1#:4#<br>j ro-ect: Rialto j erculorate qnvestigaton<br>j ro-ect N. mber: J01CW100<br>j ro-ect z anager: Gason Sapp |

## - otes Nnh v efinitions

| | |
|---|---|
| G | Estimate, Val. e (BLj Flag) |
| z DL | z etuo, Detection Limit |
| ND | 8 nalyte Not Detecte, at or above tue reporting limit |
| j QL | j ractical Q. antitation Limit |
| Rj D | Relative j ercent Difference |

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Date of Report: 09/02/2014

Jason Sapp

Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

| | |
|---|---|
| Client Project: | 2013.0100 |
| BCL Project: | Rialto Perchlorate Investigaton |
| BCL Work Order: | 1418489 |
| Invoice ID: | B182097 |

Enclosed are the results of analyses for samples received by the laboratory on 8/12/2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Tina Green
Client Services Manager

Authorized Signature



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# Chain of Custody Form

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Report To:
Client: Geologic Associates
Attn: Jason Sapp
Street Address: 250 W 1st St #228
City, State, Zip: Claremont, CA 91711
Phone: (909) 626-2282 Fax: (909) 626-1233
Email Address:
Work Order #: 14-18489

Project #: 2013.0100
Project Name: Rialto Perchlorate
Sampler(s): M. Campbell, N. Reason, A. Shaw

Comments: *NOTE VOC testing includes: 1,2,3-TCP, TAME, TBA, ETBE, 1,1,2-TCTFA
* Metals are field filtered *

Analysis Requested

| Sample # | Description | Date Sampled | Time Sampled | VOCs (EPA 524.2) * | Perchlorate (EPA 314.0) | Hardness (CaCO3) | TDS (EPA 160.1) | Chloride, Nitrate, Sulfate (EPA 300.0) | Alkalinity, MBAS (EPA 425.1) | Ca, Mg, K, Na (EPA 6010B) | Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mo, Ni, Se, Ag, Tl, V, Zn (EPA 6010B, 7470, 7196) | Hg | SVOCs (EPA 8270) | NDMA (EPA 8270-SIM) | Soil | Sludge | Drinking Water | Ground Water | Waste Water | LAB H2O | Other | Turnaround # of work days* | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -1 | N6-4 | 8/11/14 | 1455 | X | X | | | | | | | | | | | | | X | | | | | |
| -2 | N10-2 | | 1140 | X | X | | | | | | | | | | | | | X | | | | | |
| -3 | N10-4 | | 1130 | X | X | X | X | X | X | X | X | X | X | | | | | X | | | | | |
| -4 | N11-2 | | 1430 | X | X | | | | | | | | | | | | | X | | | | | |
| -5 | N15-4 | | 1545 | X | X | X | X | X | X | X | X | X | X | | | | | X | | | | | |
| -6 | QCAB | | — | X | X | | | | | | | | | | | | | | | X | | | |
| -7 | QCEB | | — | X | X | | | | | | | | | | | | | | | X | | | |
| -8 | QCTB | | — | X | | | | | | | | | | | | | | | | X | | | |

Sample Matrix: Soil, Sludge, Drinking Water, Ground Water, Waste Water, LAB H2O, Other

Are there any tests with holding times less than or equal to 48 hours? ☒ Yes ☐ No

* Standard Turnaround = 10 work days

SHORT HOLDING TIME
Cr++ NO2 NO3 OP SS
DO Cl2 BOD MBAS COT

CHK BY: MM

DISTRIBUTION
MANIFESTED
SUB-OUT

**Billing** ☒ Same as above
Client:
Address:
City: State Zip
Attn:
PO#:

EDF Required? Geotracker ☒ Yes ☐ No
Send Copy to State of CA? (EDT) ☐ Yes ☒ No

Global ID (Needed for EDF)
System # (Needed for EDF)

| | Relinquished By | Date | Time | Received By | Date | Time |
|---|---|---|---|---|---|---|
| 1. | [signature] | 8/11/14 | 1700 | [signature] | 8/12/14 | 1305 |
| 2. | [signature] | 8/12/14 | 1725 | [signature] | 8-12-14 | 1725 |
| 3. | | | | | | |

BC Laboratories, Inc. – 4100 Atlas Ct. – Bakersfield, CA 93308 – 661.327.4911 – Fax: 661.327.1918 – www.bclabs.com

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# Chain of Custody Form

Page 2 of 2

Report To:
Client: Geology Associates
Attn: Jason Sabb
Street Address: 250 W 1st St #228
City, State, Zip: Claremont CA 91711
Phone: (909) 626-2282 Fax: (909) 626-1233
Email Address:
Work Order #: 14-18489

Project #: 2013.0100
Project Name: Rialto Perchlorate
Sampler(s): N. Reason, M. Campbell, A. Shaw

Analysis Requested: Organochlorine Pesticides + PCBs; Organophosphorus Herbicides; Chlorinated Herbicides

Comments:

Refer to the back of this page for completion instructions and method legend.

| Sample # | Description | Date Sampled | Time Sampled | Organochlorine Pesticides + PCBs | Organophosphorus Herbicides | Chlorinated Herbicides | Soil | Sludge | Drinking Water | Ground Water | Waste Water | Other | Turnaround # of work days* | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (-3) | N10-4 | 8/11/14 | 1130 | X | X | X | | | | X | | | | |
| (-5) | N15-4 | ↓ | 1545 | X | X | X | | | | X | | | | |

Sample Matrix

Are there any tests with holding times less than or equal to 48 hours? ☒ Yes ☐ No

* Standard Turnaround = 10 work days

Billing ☒ Same as above
Client:
Address:
City: State Zip
Attn:
PO#:

EDF Required? Geotracker ☒ Yes ☐ No
Send Copy to State of CA? (EDT) ☐ Yes ☒ No

Global ID (Needed for EDF)
System # (Needed for EDF)

| Relinquished By | Date | Time | Received By | Date | Time |
|---|---|---|---|---|---|
| 1. [signature] | 8/11/14 | 1700 | 1. [signature] | 8/12/14 | 1805 |
| 2. [signature] | 8/12/14 | 1725 | 2. [signature] | 8-12-14 | 1725 |
| 3. | | | 3. | | |

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**Chain of Custody and Cooler Receipt Form for 1418489 Page 3 of 4**

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 17 06/05/14 Page 1 Of 2

Submission #: 14-18489

**SHIPPING INFORMATION**
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

**FREE LIQUID**
YES ☐ NO ☐

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

**COC Received** ☒ YES ☐ NO

Emissivity: 0.97 Container: Amber Thermometer ID: 207 Date/Time 8/12/14 1725
Temperature: (A) 0.4 °C / (C) 0.5 °C Analyst Init MVI

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT GENERAL MINERAL/ GENERAL | | | B | | | | | | | |
| PT PE UNPRESERVED 8oz | B | B | | B | | B | B | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT INORGANIC CHEMICAL METALS | | | C | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT TOX | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | A(2) | | |
| 40ml VOA VIAL | A 3 | A 3 | A 3 | A 3 | | A 2 | A 2 | | | |
| QT EPA 413.1, 413.2, 418.1 | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA ~~508/608~~/8080 064 | | | D | | | | | | | |
| QT EPA ~~515.1~~/8150 / 8151 076 | | | E | | | | | | | |
| QT EPA ~~525~~ 8140/8141 072 | | | E | | | | | | | |
| QT EPA 525 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz Amber EPA 548 | | | | | | | | | | |
| QT EPA 549 | | | | | | | | | | |
| QT EPA 632 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT AMBER 8270 | | | GH | | | | | | | |
| 8 OZ. JAR | | | | | | | | | | |
| 32 OZ. JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| Summa Canister | | | | | | | | | | |

Comments:
Sample Numbering Completed By: MVI Date/Time: 8/12/14 @ 1835 [S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC16
A = Actual / C = Corrected

**Chain of Custody and Cooler Receipt Form for 1418489 Page 4 of 4**

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 17 06/05/14 Page 2 Of 2

Submission #: 14-18489

**SHIPPING INFORMATION**
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

**FREE LIQUID**
YES ☐ NO ☐

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments: +

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: Amber Thermometer ID: 207 Date/Time 8/12/14 1725
Temperature: (A) 0.3 °C / (C) 0.4 °C Analyst Init MM

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT GENERAL MINERAL/ GENERAL | | | | | B | | | | | |
| PT PE UNPRESERVED | | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT INORGANIC CHEMICAL METALS | | | | | C | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT TOX | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | ( ) | ( ) | ( ) | ( ) | A 3 | ( ) | ( ) | ( ) | ( ) | ( ) |
| QT EPA 413.1, 413.2, 418.1 | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA ~~508/608~~/8080 064 | | | | | D | | | | | |
| QT EPA ~~515.1~~/8150 /8151 076 | | | | | F | | | | | |
| QT EPA ~~525~~ 8140/8141 072 | | | | | E | | | | | |
| QT EPA 525 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz Amber EPA 548 | | | | | | | | | | |
| QT EPA 549 | | | | | | | | | | |
| QT EPA 632 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT AMBER 8270 | | | | | GH | | | | | |
| 8 OZ. JAR | | | | | | | | | | |
| 32 OZ. JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| Summa Canister | | | | | | | | | | |

Comments:
Sample Numbering Completed By: MM Date/Time: 8/12/14@1835 (S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC16
A = Actual / C = Corrected

Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| **1418489-01** | **COC Number:** | --- | **Receive Date:** | 08/12/2014 17:25 |
| | **Project Number:** | --- | **Sampling Date:** | 08/11/2014 14:55 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | N6-4 | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |
| **1418489-02** | **COC Number:** | --- | **Receive Date:** | 08/12/2014 17:25 |
| | **Project Number:** | --- | **Sampling Date:** | 08/11/2014 11:40 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | N10-2 | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |
| **1418489-03** | **COC Number:** | --- | **Receive Date:** | 08/12/2014 17:25 |
| | **Project Number:** | --- | **Sampling Date:** | 08/11/2014 11:30 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | N10-4 | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |
| | | | Metal Analysis: | 1-Field Filtered and Acidified |
| **1418489-04** | **COC Number:** | --- | **Receive Date:** | 08/12/2014 17:25 |
| | **Project Number:** | --- | **Sampling Date:** | 08/11/2014 14:30 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | N11-2 | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |
| **1418489-05** | **COC Number:** | --- | **Receive Date:** | 08/12/2014 17:25 |
| | **Project Number:** | --- | **Sampling Date:** | 08/11/2014 15:45 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | N15-4 | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |
| | | | Metal Analysis: | 1-Field Filtered and Acidified |
| **1418489-06** | **COC Number:** | --- | **Receive Date:** | 08/12/2014 17:25 |
| | **Project Number:** | --- | **Sampling Date:** | 08/11/2014 00:00 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | QCAB | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Blank Water |

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| | |
|---|---|
| Geologic Associates<br>1831 Commercenter East<br>San Bernardino, CA 92408 | **Reported:** 09/02/2014 13:24<br>Project: Rialto Perchlorate Investigaton<br>Project Number: 2013.0100<br>Project Manager: Jason Sapp |

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| **1418489-07** | **COC Number:** | --- | **Receive Date:** | 08/12/2014 17:25 |
| | **Project Number:** | --- | **Sampling Date:** | 08/11/2014 00:00 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | QCEB | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Blank Water |
| **1418489-08** | **COC Number:** | --- | **Receive Date:** | 08/12/2014 17:25 |
| | **Project Number:** | --- | **Sampling Date:** | 08/11/2014 00:00 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | QCTB | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Trip Blank |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-01 | **Client Sample Name:** N6-4, 8/11/2014 2:55:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-01 | **Client Sample Name:** N6-4, 8/11/2014 2:55:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| **Trichloroethene** | **1.5** | **ug/L** | **0.50** | **0.085** | **EPA-524.2** | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-01 | **Client Sample Name:** N6-4, 8/11/2014 2:55:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | V11 | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 107 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 97.9 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 82.4 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/14/14 | 08/14/14 15:19 | JCC | MS-V14 | 1 | BXH0998 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418489-01 | **Client Sample Name:** N6-4, 8/11/2014 2:55:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **8.0** | **ug/L** | **4.0** | **0.45** | **EPA-314.0** | ND | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 08/29/14 | 08/29/14 21:39 | OLH | IC6 | 1 | BXH2979 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-02 | **Client Sample Name:** N10-2, 8/11/2014 11:40:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| **Chloroform** | **0.35** | **ug/L** | **0.50** | **0.12** | **EPA-524.2** | ND | **J** | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-02 | **Client Sample Name:** N10-2, 8/11/2014 11:40:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| **Tetrachloroethene** | **1.1** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| **Trichloroethene** | **7.4** | **ug/L** | **0.50** | **0.085** | **EPA-524.2** | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-02 | **Client Sample Name:** N10-2, 8/11/2014 11:40:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | V11 | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 109 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 97.9 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 82.7 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/14/14 | 08/14/14 15:42 | JCC | MS-V14 | 1 | BXH0998 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418489-02 | **Client Sample Name:** N10-2, 8/11/2014 11:40:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **18** | **ug/L** | **4.0** | **0.45** | **EPA-314.0** | ND | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 08/29/14 | 08/29/14 21:52 | OLH | IC6 | 1 | BXH2979 |

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San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-03 | **Client Sample Name:** N10-4, 8/11/2014 11:30:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| **Chloroform** | **0.17** | **ug/L** | **0.50** | **0.12** | **EPA-524.2** | ND | **J** | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-03 | **Client Sample Name:** N10-4, 8/11/2014 11:30:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| **Trichloroethene** | **3.1** | **ug/L** | **0.50** | **0.085** | **EPA-524.2** | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-03 | **Client Sample Name:** N10-4, 8/11/2014 11:30:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | V11 | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 111 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 98.6 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 87.1 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/14/14 | 08/14/14 16:05 | JCC | MS-V14 | 1 | BXH0998 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Organochlorine Pesticides and PCB's (EPA Method 8080)

**BCL Sample ID:** 1418489-03 | **Client Sample Name:** N10-4, 8/11/2014 11:30:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Aldrin | ND | ug/L | 0.0050 | 0.0013 | EPA-8080 | ND | | 1 |
| alpha-BHC | ND | ug/L | 0.0050 | 0.0011 | EPA-8080 | ND | | 1 |
| beta-BHC | ND | ug/L | 0.0050 | 0.0021 | EPA-8080 | ND | | 1 |
| delta-BHC | ND | ug/L | 0.0050 | 0.0014 | EPA-8080 | ND | | 1 |
| gamma-BHC (Lindane) | ND | ug/L | 0.0050 | 0.00094 | EPA-8080 | ND | | 1 |
| Chlordane (Technical) | ND | ug/L | 0.50 | 0.38 | EPA-8080 | ND | | 1 |
| 4,4'-DDD | ND | ug/L | 0.0050 | 0.0017 | EPA-8080 | ND | | 1 |
| 4,4'-DDE | ND | ug/L | 0.0050 | 0.0019 | EPA-8080 | ND | | 1 |
| 4,4'-DDT | ND | ug/L | 0.0050 | 0.00076 | EPA-8080 | ND | | 1 |
| Dieldrin | ND | ug/L | 0.0050 | 0.0012 | EPA-8080 | ND | | 1 |
| Endosulfan I | ND | ug/L | 0.0050 | 0.0016 | EPA-8080 | ND | | 1 |
| Endosulfan II | ND | ug/L | 0.0050 | 0.0014 | EPA-8080 | ND | | 1 |
| Endosulfan sulfate | ND | ug/L | 0.0050 | 0.0026 | EPA-8080 | ND | | 1 |
| Endrin | ND | ug/L | 0.0050 | 0.00082 | EPA-8080 | ND | | 1 |
| Endrin aldehyde | ND | ug/L | 0.010 | 0.0032 | EPA-8080 | ND | | 1 |
| Heptachlor | ND | ug/L | 0.0050 | 0.0012 | EPA-8080 | ND | | 1 |
| Heptachlor epoxide | ND | ug/L | 0.0050 | 0.00099 | EPA-8080 | ND | | 1 |
| Methoxychlor | ND | ug/L | 0.0050 | 0.0011 | EPA-8080 | ND | | 1 |
| Toxaphene | ND | ug/L | 2.0 | 0.42 | EPA-8080 | ND | | 1 |
| PCB-1016 | ND | ug/L | 0.20 | 0.045 | EPA-8080 | ND | | 1 |
| PCB-1221 | ND | ug/L | 0.20 | 0.070 | EPA-8080 | ND | | 1 |
| PCB-1232 | ND | ug/L | 0.20 | 0.081 | EPA-8080 | ND | | 1 |
| PCB-1242 | ND | ug/L | 0.20 | 0.065 | EPA-8080 | ND | | 1 |
| PCB-1248 | ND | ug/L | 0.20 | 0.085 | EPA-8080 | ND | | 1 |
| PCB-1254 | ND | ug/L | 0.20 | 0.077 | EPA-8080 | ND | | 1 |
| PCB-1260 | ND | ug/L | 0.20 | 0.060 | EPA-8080 | ND | | 1 |
| Total PCB's (Summation) | ND | ug/L | 0.20 | 0.10 | EPA-8080 | ND | | 1 |
| TCMX (Surrogate) | 87.9 | % | 40 - 140 (LCL - UCL) | | EPA-8080 | | | 1 |
| Decachlorobiphenyl (Surrogate) | 88.7 | % | 40 - 120 (LCL - UCL) | | EPA-8080 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-8080 | 08/16/14 | 08/21/14 12:55 | VH1 | GC-14 | 1 | BXH1619 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141B)

**BCL Sample ID:** 1418489-03 | **Client Sample Name:** N10-4, 8/11/2014 11:30:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Azinphos methyl | ND | ug/L | 0.20 | 0.055 | EPA-8141B | ND | | 1 |
| Bolstar | ND | ug/L | 0.20 | 0.055 | EPA-8141B | ND | | 1 |
| Chlorpyrifos | ND | ug/L | 0.20 | 0.010 | EPA-8141B | ND | | 1 |
| Coumaphos | ND | ug/L | 0.20 | 0.054 | EPA-8141B | ND | | 1 |
| Demeton O/S | ND | ug/L | 0.20 | 0.026 | EPA-8141B | ND | | 1 |
| Diazinon | ND | ug/L | 0.20 | 0.044 | EPA-8141B | ND | | 1 |
| Dichlorvos | ND | ug/L | 0.20 | 0.070 | EPA-8141B | ND | | 1 |
| Disulfoton | ND | ug/L | 0.50 | 0.039 | EPA-8141B | ND | | 1 |
| Ethoprop | ND | ug/L | 0.20 | 0.025 | EPA-8141B | ND | | 1 |
| Fensulfothion | ND | ug/L | 0.20 | 0.088 | EPA-8141B | ND | | 1 |
| Fenthion | ND | ug/L | 0.20 | 0.033 | EPA-8141B | ND | | 1 |
| Merphos | ND | ug/L | 0.20 | 0.058 | EPA-8141B | ND | | 1 |
| Methyl parathion | ND | ug/L | 0.20 | 0.074 | EPA-8141B | ND | | 1 |
| Mevinphos | ND | ug/L | 0.20 | 0.053 | EPA-8141B | ND | | 1 |
| Naled | ND | ug/L | 0.20 | 0.072 | EPA-8141B | ND | | 1 |
| Phorate | ND | ug/L | 0.20 | 0.041 | EPA-8141B | ND | | 1 |
| Ronnel (Fenchlorphos) | ND | ug/L | 0.20 | 0.067 | EPA-8141B | ND | | 1 |
| Stirophos (Tetrachlorvinphos) | ND | ug/L | 0.20 | 0.046 | EPA-8141B | ND | | 1 |
| Tokuthion (Prothiofos) | ND | ug/L | 0.20 | 0.032 | EPA-8141B | ND | | 1 |
| Trichloronate | ND | ug/L | 0.20 | 0.038 | EPA-8141B | ND | | 1 |
| Triphenylphosphate (Surrogate) | 90.4 | % | 50 - 140 (LCL - UCL) | | EPA-8141B | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-8141B | 08/17/14 | 08/20/14 17:42 | MK1 | GC-7 | 1 | BXH1764 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Chlorinated Herbicides (EPA Method 8151A)

**BCL Sample ID:** 1418489-03 | **Client Sample Name:** N10-4, 8/11/2014 11:30:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | ND | ug/L | 0.40 | 0.065 | EPA-8151A | ND | | 1 |
| 2,4-DB | ND | ug/L | 3.0 | 0.32 | EPA-8151A | ND | | 1 |
| Dalapon | ND | ug/L | 10 | 2.4 | EPA-8151A | ND | | 1 |
| Dicamba | ND | ug/L | 0.080 | 0.037 | EPA-8151A | ND | | 1 |
| Dichloroprop | ND | ug/L | 0.50 | 0.012 | EPA-8151A | ND | | 1 |
| Dinoseb | ND | ug/L | 0.20 | 0.040 | EPA-8151A | ND | | 1 |
| 2,4,5-T | ND | ug/L | 0.090 | 0.012 | EPA-8151A | ND | | 1 |
| 2,4,5-TP (Silvex) | ND | ug/L | 0.070 | 0.016 | EPA-8151A | ND | | 1 |
| 2,4-Dichlorophenylacetic acid (Surrogate) | 59.0 | % | 30 - 140 (LCL - UCL) | | EPA-8151A | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-8151A | 08/18/14 | 08/20/14 15:40 | mk1 | GC-8 | 1 | BXH1891 |

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San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

**BCL Sample ID:** 1418489-03 | **Client Sample Name:** N10-4, 8/11/2014 11:30:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 2.0 | 0.24 | EPA-8270C | ND | | 1 |
| Acenaphthylene | ND | ug/L | 2.0 | 0.28 | EPA-8270C | ND | | 1 |
| Aldrin | ND | ug/L | 2.0 | 0.35 | EPA-8270C | ND | | 1 |
| Aniline | ND | ug/L | 5.0 | 0.69 | EPA-8270C | ND | | 1 |
| Anthracene | ND | ug/L | 2.0 | 0.30 | EPA-8270C | ND | | 1 |
| Benzidine | ND | ug/L | 20 | 7.1 | EPA-8270C | ND | | 1 |
| Benzo[a]anthracene | ND | ug/L | 2.0 | 0.38 | EPA-8270C | ND | | 1 |
| Benzo[b]fluoranthene | ND | ug/L | 2.0 | 0.41 | EPA-8270C | ND | | 1 |
| Benzo[k]fluoranthene | ND | ug/L | 2.0 | 0.31 | EPA-8270C | ND | | 1 |
| Benzo[a]pyrene | ND | ug/L | 2.0 | 0.20 | EPA-8270C | ND | | 1 |
| Benzo[g,h,i]perylene | ND | ug/L | 2.0 | 0.22 | EPA-8270C | ND | | 1 |
| Benzoic acid | ND | ug/L | 10 | 5.8 | EPA-8270C | ND | | 1 |
| Benzyl alcohol | ND | ug/L | 2.0 | 0.34 | EPA-8270C | ND | | 1 |
| Benzyl butyl phthalate | ND | ug/L | 2.0 | 0.47 | EPA-8270C | ND | | 1 |
| alpha-BHC | ND | ug/L | 2.0 | 0.27 | EPA-8270C | ND | | 1 |
| beta-BHC | ND | ug/L | 2.0 | 0.27 | EPA-8270C | ND | | 1 |
| delta-BHC | ND | ug/L | 2.0 | 0.30 | EPA-8270C | ND | | 1 |
| gamma-BHC (Lindane) | ND | ug/L | 2.0 | 0.22 | EPA-8270C | ND | | 1 |
| bis(2-Chloroethoxy)methane | ND | ug/L | 2.0 | 0.27 | EPA-8270C | ND | | 1 |
| bis(2-Chloroethyl) ether | ND | ug/L | 2.0 | 0.68 | EPA-8270C | ND | | 1 |
| bis(2-Chloroisopropyl)ether | ND | ug/L | 2.0 | 0.30 | EPA-8270C | ND | | 1 |
| bis(2-Ethylhexyl)phthalate | ND | ug/L | 5.0 | 3.0 | EPA-8270C | ND | | 1 |
| 4-Bromophenyl phenyl ether | ND | ug/L | 2.0 | 0.23 | EPA-8270C | ND | | 1 |
| 4-Chloroaniline | ND | ug/L | 2.0 | 0.69 | EPA-8270C | ND | | 1 |
| 2-Chloronaphthalene | ND | ug/L | 2.0 | 0.34 | EPA-8270C | ND | | 1 |
| 4-Chlorophenyl phenyl ether | ND | ug/L | 2.0 | 0.23 | EPA-8270C | ND | | 1 |
| Chrysene | ND | ug/L | 2.0 | 0.63 | EPA-8270C | ND | | 1 |
| 4,4'-DDD | ND | ug/L | 2.0 | 0.48 | EPA-8270C | ND | | 1 |
| 4,4'-DDE | ND | ug/L | 3.0 | 0.41 | EPA-8270C | ND | | 1 |
| 4,4'-DDT | ND | ug/L | 2.0 | 0.43 | EPA-8270C | ND | | 1 |
| Dibenzo[a,h]anthracene | ND | ug/L | 3.0 | 0.26 | EPA-8270C | ND | | 1 |
| Dibenzofuran | ND | ug/L | 2.0 | 0.21 | EPA-8270C | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 2.0 | 0.37 | EPA-8270C | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

**BCL Sample ID:** 1418489-03 | **Client Sample Name:** N10-4, 8/11/2014 11:30:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | ND | ug/L | 2.0 | 0.35 | EPA-8270C | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 2.0 | 0.31 | EPA-8270C | ND | | 1 |
| 3,3-Dichlorobenzidine | ND | ug/L | 10 | 8.2 | EPA-8270C | ND | | 1 |
| Dieldrin | ND | ug/L | 3.0 | 0.41 | EPA-8270C | ND | | 1 |
| Diethyl phthalate | ND | ug/L | 2.0 | 0.33 | EPA-8270C | ND | | 1 |
| Dimethyl phthalate | ND | ug/L | 2.0 | 0.39 | EPA-8270C | ND | | 1 |
| Di-n-butyl phthalate | ND | ug/L | 2.0 | 0.39 | EPA-8270C | ND | | 1 |
| 2,4-Dinitrotoluene | ND | ug/L | 2.0 | 0.26 | EPA-8270C | ND | | 1 |
| 2,6-Dinitrotoluene | ND | ug/L | 2.0 | 0.41 | EPA-8270C | ND | | 1 |
| Di-n-octyl phthalate | ND | ug/L | 2.0 | 0.46 | EPA-8270C | ND | | 1 |
| 1,2-Diphenylhydrazine | ND | ug/L | 2.0 | 0.34 | EPA-8270C | ND | | 1 |
| Endosulfan I | ND | ug/L | 10 | 1.7 | EPA-8270C | ND | | 1 |
| Endosulfan II | ND | ug/L | 10 | 1.2 | EPA-8270C | ND | | 1 |
| Endosulfan sulfate | ND | ug/L | 3.0 | 0.58 | EPA-8270C | ND | | 1 |
| Endrin | ND | ug/L | 2.0 | 1.1 | EPA-8270C | ND | | 1 |
| Endrin aldehyde | ND | ug/L | 10 | 0.52 | EPA-8270C | ND | | 1 |
| Fluoranthene | ND | ug/L | 2.0 | 0.20 | EPA-8270C | ND | | 1 |
| Fluorene | ND | ug/L | 2.0 | 0.28 | EPA-8270C | ND | | 1 |
| Heptachlor | ND | ug/L | 2.0 | 0.32 | EPA-8270C | ND | | 1 |
| Heptachlor epoxide | ND | ug/L | 2.0 | 0.27 | EPA-8270C | ND | | 1 |
| Hexachlorobenzene | ND | ug/L | 2.0 | 0.20 | EPA-8270C | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 2.0 | 0.24 | EPA-8270C | ND | | 1 |
| Hexachlorocyclopentadiene | ND | ug/L | 2.0 | 0.30 | EPA-8270C | ND | | 1 |
| Hexachloroethane | ND | ug/L | 2.0 | 0.32 | EPA-8270C | ND | | 1 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 2.0 | 0.26 | EPA-8270C | ND | | 1 |
| Isophorone | ND | ug/L | 2.0 | 0.31 | EPA-8270C | ND | | 1 |
| 2-Methylnaphthalene | ND | ug/L | 2.0 | 0.28 | EPA-8270C | ND | | 1 |
| Naphthalene | ND | ug/L | 2.0 | 0.21 | EPA-8270C | ND | | 1 |
| 2-Naphthylamine | ND | ug/L | 20 | 4.8 | EPA-8270C | ND | | 1 |
| 2-Nitroaniline | ND | ug/L | 2.0 | 0.33 | EPA-8270C | ND | | 1 |
| 3-Nitroaniline | ND | ug/L | 2.0 | 0.66 | EPA-8270C | ND | | 1 |
| 4-Nitroaniline | ND | ug/L | 5.0 | 0.87 | EPA-8270C | ND | | 1 |
| Nitrobenzene | ND | ug/L | 2.0 | 0.26 | EPA-8270C | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

**BCL Sample ID:** 1418489-03 | **Client Sample Name:** N10-4, 8/11/2014 11:30:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| N-Nitrosodimethylamine | ND | ug/L | 2.0 | 0.61 | EPA-8270C | ND | | 1 |
| N-Nitrosodi-N-propylamine | ND | ug/L | 2.0 | 1.3 | EPA-8270C | ND | | 1 |
| N-Nitrosodiphenylamine | ND | ug/L | 2.0 | 0.44 | EPA-8270C | ND | | 1 |
| Phenanthrene | ND | ug/L | 2.0 | 0.20 | EPA-8270C | ND | | 1 |
| Pyrene | ND | ug/L | 2.0 | 0.26 | EPA-8270C | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 2.0 | 0.27 | EPA-8270C | ND | | 1 |
| 4-Chloro-3-methylphenol | ND | ug/L | 5.0 | 0.40 | EPA-8270C | ND | | 1 |
| 2-Chlorophenol | ND | ug/L | 2.0 | 0.37 | EPA-8270C | ND | | 1 |
| 2,4-Dichlorophenol | ND | ug/L | 2.0 | 0.43 | EPA-8270C | ND | | 1 |
| 2,4-Dimethylphenol | ND | ug/L | 2.0 | 0.20 | EPA-8270C | ND | | 1 |
| 4,6-Dinitro-2-methylphenol | ND | ug/L | 10 | 0.34 | EPA-8270C | ND | | 1 |
| 2,4-Dinitrophenol | ND | ug/L | 10 | 0.20 | EPA-8270C | ND | | 1 |
| 2-Methylphenol | ND | ug/L | 2.0 | 1.0 | EPA-8270C | ND | | 1 |
| 3- & 4-Methylphenol | ND | ug/L | 2.0 | 1.6 | EPA-8270C | ND | | 1 |
| 2-Nitrophenol | ND | ug/L | 2.0 | 0.28 | EPA-8270C | ND | | 1 |
| 4-Nitrophenol | ND | ug/L | 2.0 | 0.73 | EPA-8270C | ND | | 1 |
| Pentachlorophenol | ND | ug/L | 10 | 0.79 | EPA-8270C | ND | | 1 |
| Phenol | ND | ug/L | 2.0 | 0.20 | EPA-8270C | ND | | 1 |
| 2,4,5-Trichlorophenol | ND | ug/L | 5.0 | 0.31 | EPA-8270C | ND | | 1 |
| 2,4,6-Trichlorophenol | ND | ug/L | 5.0 | 0.60 | EPA-8270C | ND | | 1 |
| 2-Fluorophenol (Surrogate) | 55.0 | % | 30 - 120 (LCL - UCL) | | EPA-8270C | | | 1 |
| Phenol-d5 (Surrogate) | 39.6 | % | 12 - 110 (LCL - UCL) | | EPA-8270C | | | 1 |
| Nitrobenzene-d5 (Surrogate) | 93.6 | % | 60 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2-Fluorobiphenyl (Surrogate) | 77.6 | % | 55 - 125 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2,4,6-Tribromophenol (Surrogate) | 90.5 | % | 40 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |
| p-Terphenyl-d14 (Surrogate) | 93.5 | % | 40 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-8270C | 08/15/14 | 08/19/14 23:05 | VH1 | MS-B1 | 0.960 | BXH1768 |

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San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# NDMA (EPA Method 8270C-SIM)

**BCL Sample ID:** 1418489-03 | **Client Sample Name:** N10-4, 8/11/2014 11:30:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| N-Nitrosodimethylamine | ND | ug/L | 0.010 | 0.0030 | EPA-8270C-SIM NDMA | ND | | 1 |
| Naphthalene-d8 (Surrogate) | 74.0 | % | 65 - 142 (LCL - UCL) | | EPA-8270C-SIM NDMA | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-8270C-SIM NDMA | 08/18/14 | 08/26/14 20:26 | MK1 | MS-B4 | 0.970 | BXH2542 |

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**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418489-03 | **Client Sample Name:** N10-4, 8/11/2014 11:30:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Dissolved Calcium** | **65** | **mg/L** | **0.10** | **0.016** | **EPA-6010B** | 0.024 | | 1 |
| **Dissolved Magnesium** | **8.1** | **mg/L** | **0.050** | **0.019** | **EPA-6010B** | ND | | 1 |
| **Dissolved Sodium** | **11** | **mg/L** | **0.50** | **0.051** | **EPA-6010B** | ND | | 1 |
| **Dissolved Potassium** | **2.8** | **mg/L** | **1.0** | **0.10** | **EPA-6010B** | ND | | 1 |
| Hydroxide | ND | mg/L | 1.4 | 1.4 | EPA-310.1 | ND | | 2 |
| **Total Alkalinity as CaCO3** | **170** | **mg/L** | **4.1** | **4.1** | **EPA-310.1** | ND | | 2 |
| **Chloride** | **5.8** | **mg/L** | **0.50** | **0.067** | **EPA-300.0** | 0.12 | | 3 |
| **Nitrate as N** | **4.5** | **mg/L** | **0.10** | **0.025** | **EPA-300.0** | ND | | 3 |
| **Sulfate** | **21** | **mg/L** | **1.0** | **0.18** | **EPA-300.0** | ND | | 3 |
| **Dissolved Hardness as CaCO3** | **200** | **mg/L** | **0.50** | **0.10** | **Calc** | ND | | 4 |
| **Total Dissolved Solids @ 180 C** | **280** | **mg/L** | **20** | **20** | **EPA-160.1** | ND | | 5 |
| MBAS | ND | mg/L | 0.10 | 0.015 | EPA-425.1 | ND | | 6 |
| **Perchlorate** | **3.0** | **ug/L** | **4.0** | **0.45** | **EPA-314.0** | ND | **J** | 7 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-6010B | 08/11/14 | 08/15/14 16:07 | ARD | PE-OP1 | 1 | BXH1312 |
| 2 | EPA-310.1 | 08/13/14 | 08/13/14 16:49 | RML | MET-1 | 1 | BXH1111 |
| 3 | EPA-300.0 | 08/12/14 | 08/13/14 02:20 | LD1 | IC1 | 1 | BXH1078 |
| 4 | Calc | 08/13/14 | 08/27/14 15:09 | TMS | Calc | 1 | BXH1166 |
| 5 | EPA-160.1 | 08/14/14 | 08/14/14 13:15 | CAD | KONE-1 | 2 | BXH1293 |
| 6 | EPA-425.1 | 08/13/14 | 08/13/14 09:00 | JMN | MANUAL | 1 | BXH1104 |
| 7 | EPA-314.0 | 08/29/14 | 08/29/14 22:06 | OLH | IC6 | 1 | BXH2979 |

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San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Metals Analysis

**BCL Sample ID:** 1418489-03 | **Client Sample Name:** N10-4, 8/11/2014 11:30:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Dissolved Antimony** | **12** | **ug/L** | **100** | **4.9** | **EPA-6010B** | 6.2 | **J** | 1 |
| **Dissolved Arsenic** | **18** | **ug/L** | **50** | **9.2** | **EPA-6010B** | ND | **J** | 1 |
| **Dissolved Barium** | **31** | **ug/L** | **10** | **3.5** | **EPA-6010B** | ND | | 1 |
| Dissolved Beryllium | ND | ug/L | 10 | 0.50 | EPA-6010B | ND | | 1 |
| Dissolved Cadmium | ND | ug/L | 10 | 1.1 | EPA-6010B | ND | | 1 |
| **Dissolved Chromium** | **1.1** | **ug/L** | **10** | **1.0** | **EPA-6010B** | ND | **J** | 1 |
| **Dissolved Cobalt** | **1.1** | **ug/L** | **50** | **1.1** | **EPA-6010B** | ND | **J** | 1 |
| Dissolved Copper | ND | ug/L | 10 | 1.0 | EPA-6010B | ND | | 1 |
| **Dissolved Lead** | **7.9** | **ug/L** | **50** | **3.5** | **EPA-6010B** | ND | **J** | 1 |
| Dissolved Mercury | ND | ug/L | 0.20 | 0.033 | EPA-7470A | ND | | 2 |
| **Dissolved Molybdenum** | **20** | **ug/L** | **50** | **1.4** | **EPA-6010B** | ND | **J** | 1 |
| Dissolved Nickel | ND | ug/L | 10 | 2.4 | EPA-6010B | ND | | 1 |
| Dissolved Selenium | ND | ug/L | 100 | 15 | EPA-6010B | ND | | 3 |
| **Dissolved Silver** | **1.4** | **ug/L** | **10** | **1.2** | **EPA-6010B** | ND | **J** | 3 |
| Dissolved Thallium | ND | ug/L | 100 | 10 | EPA-6010B | ND | | 1 |
| **Dissolved Vanadium** | **3.0** | **ug/L** | **10** | **2.2** | **EPA-6010B** | ND | **J** | 1 |
| Dissolved Zinc | ND | ug/L | 10 | 5.0 | EPA-6010B | ND | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-6010B | 08/11/14 | 08/15/14 16:07 | ARD | PE-OP1 | 1 | BXH1312 |
| 2 | EPA-7470A | 08/15/14 | 08/19/14 09:57 | MEV | CETAC1 | 1 | BXH1331 |
| 3 | EPA-6010B | 08/11/14 | 08/18/14 11:02 | ARD | PE-OP1 | 1 | BXH1312 |

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1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-04 | **Client Sample Name:** N11-2, 8/11/2014 2:30:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-04 | **Client Sample Name:** N11-2, 8/11/2014 2:30:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| **Trichloroethene** | **1.3** | **ug/L** | **0.50** | **0.085** | **EPA-524.2** | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-04 | **Client Sample Name:** N11-2, 8/11/2014 2:30:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | V11 | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 104 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 99.7 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 89.5 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/14/14 | 08/14/14 16:28 | JCC | MS-V14 | 1 | BXH0998 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418489-04 | **Client Sample Name:** N11-2, 8/11/2014 2:30:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **16** | **ug/L** | **4.0** | **0.45** | **EPA-314.0** | ND | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 08/29/14 | 08/29/14 22:20 | OLH | IC6 | 1 | BXH2979 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-05 | **Client Sample Name:** N15-4, 8/11/2014 3:45:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-05 | **Client Sample Name:** N15-4, 8/11/2014 3:45:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Trichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-05 | **Client Sample Name:** N15-4, 8/11/2014 3:45:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | V11 | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 112 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 98.9 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 81.7 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/14/14 | 08/14/14 16:52 | JCC | MS-V14 | 1 | BXH0998 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Organochlorine Pesticides and PCB's (EPA Method 8080)

**BCL Sample ID:** 1418489-05 | **Client Sample Name:** N15-4, 8/11/2014 3:45:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Aldrin | ND | ug/L | 0.0050 | 0.0013 | EPA-8080 | ND | | 1 |
| alpha-BHC | ND | ug/L | 0.0050 | 0.0011 | EPA-8080 | ND | | 1 |
| beta-BHC | ND | ug/L | 0.0050 | 0.0021 | EPA-8080 | ND | | 1 |
| delta-BHC | ND | ug/L | 0.0050 | 0.0014 | EPA-8080 | ND | | 1 |
| gamma-BHC (Lindane) | ND | ug/L | 0.0050 | 0.00094 | EPA-8080 | ND | | 1 |
| Chlordane (Technical) | ND | ug/L | 0.50 | 0.38 | EPA-8080 | ND | | 1 |
| 4,4'-DDD | ND | ug/L | 0.0050 | 0.0017 | EPA-8080 | ND | | 1 |
| 4,4'-DDE | ND | ug/L | 0.0050 | 0.0019 | EPA-8080 | ND | | 1 |
| 4,4'-DDT | ND | ug/L | 0.0050 | 0.00076 | EPA-8080 | ND | | 1 |
| Dieldrin | ND | ug/L | 0.0050 | 0.0012 | EPA-8080 | ND | | 1 |
| Endosulfan I | ND | ug/L | 0.0050 | 0.0016 | EPA-8080 | ND | | 1 |
| Endosulfan II | ND | ug/L | 0.0050 | 0.0014 | EPA-8080 | ND | | 1 |
| Endosulfan sulfate | ND | ug/L | 0.0050 | 0.0026 | EPA-8080 | ND | | 1 |
| Endrin | ND | ug/L | 0.0050 | 0.00082 | EPA-8080 | ND | | 1 |
| Endrin aldehyde | ND | ug/L | 0.010 | 0.0032 | EPA-8080 | ND | | 1 |
| Heptachlor | ND | ug/L | 0.0050 | 0.0012 | EPA-8080 | ND | | 1 |
| Heptachlor epoxide | ND | ug/L | 0.0050 | 0.00099 | EPA-8080 | ND | | 1 |
| Methoxychlor | ND | ug/L | 0.0050 | 0.0011 | EPA-8080 | ND | | 1 |
| Toxaphene | ND | ug/L | 2.0 | 0.42 | EPA-8080 | ND | | 1 |
| PCB-1016 | ND | ug/L | 0.20 | 0.045 | EPA-8080 | ND | | 1 |
| PCB-1221 | ND | ug/L | 0.20 | 0.070 | EPA-8080 | ND | | 1 |
| PCB-1232 | ND | ug/L | 0.20 | 0.081 | EPA-8080 | ND | | 1 |
| PCB-1242 | ND | ug/L | 0.20 | 0.065 | EPA-8080 | ND | | 1 |
| PCB-1248 | ND | ug/L | 0.20 | 0.085 | EPA-8080 | ND | | 1 |
| PCB-1254 | ND | ug/L | 0.20 | 0.077 | EPA-8080 | ND | | 1 |
| PCB-1260 | ND | ug/L | 0.20 | 0.060 | EPA-8080 | ND | | 1 |
| Total PCB's (Summation) | ND | ug/L | 0.20 | 0.10 | EPA-8080 | ND | | 1 |
| TCMX (Surrogate) | 76.8 | % | 40 - 140 (LCL - UCL) | | EPA-8080 | | | 1 |
| Decachlorobiphenyl (Surrogate) | 95.3 | % | 40 - 120 (LCL - UCL) | | EPA-8080 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-8080 | 08/16/14 | 08/21/14 14:04 | VH1 | GC-14 | 1 | BXH1619 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141B)

**BCL Sample ID:** 1418489-05 | **Client Sample Name:** N15-4, 8/11/2014 3:45:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Azinphos methyl | ND | ug/L | 0.20 | 0.055 | EPA-8141B | ND | | 1 |
| Bolstar | ND | ug/L | 0.20 | 0.055 | EPA-8141B | ND | | 1 |
| Chlorpyrifos | ND | ug/L | 0.20 | 0.010 | EPA-8141B | ND | | 1 |
| Coumaphos | ND | ug/L | 0.20 | 0.054 | EPA-8141B | ND | | 1 |
| Demeton O/S | ND | ug/L | 0.20 | 0.026 | EPA-8141B | ND | | 1 |
| Diazinon | ND | ug/L | 0.20 | 0.044 | EPA-8141B | ND | | 1 |
| Dichlorvos | ND | ug/L | 0.20 | 0.070 | EPA-8141B | ND | | 1 |
| Disulfoton | ND | ug/L | 0.50 | 0.039 | EPA-8141B | ND | | 1 |
| Ethoprop | ND | ug/L | 0.20 | 0.025 | EPA-8141B | ND | | 1 |
| Fensulfothion | ND | ug/L | 0.20 | 0.088 | EPA-8141B | ND | | 1 |
| Fenthion | ND | ug/L | 0.20 | 0.033 | EPA-8141B | ND | | 1 |
| Merphos | ND | ug/L | 0.20 | 0.058 | EPA-8141B | ND | | 1 |
| Methyl parathion | ND | ug/L | 0.20 | 0.074 | EPA-8141B | ND | | 1 |
| Mevinphos | ND | ug/L | 0.20 | 0.053 | EPA-8141B | ND | | 1 |
| Naled | ND | ug/L | 0.20 | 0.072 | EPA-8141B | ND | | 1 |
| Phorate | ND | ug/L | 0.20 | 0.041 | EPA-8141B | ND | | 1 |
| Ronnel (Fenchlorphos) | ND | ug/L | 0.20 | 0.067 | EPA-8141B | ND | | 1 |
| Stirophos (Tetrachlorvinphos) | ND | ug/L | 0.20 | 0.046 | EPA-8141B | ND | | 1 |
| Tokuthion (Prothiofos) | ND | ug/L | 0.20 | 0.032 | EPA-8141B | ND | | 1 |
| Trichloronate | ND | ug/L | 0.20 | 0.038 | EPA-8141B | ND | | 1 |
| Triphenylphosphate (Surrogate) | 93.2 | % | 50 - 140 (LCL - UCL) | | EPA-8141B | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-8141B | 08/17/14 | 08/20/14 18:07 | MK1 | GC-7 | 1 | BXH1764 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Chlorinated Herbicides (EPA Method 8151A)

**BCL Sample ID:** 1418489-05 | **Client Sample Name:** N15-4, 8/11/2014 3:45:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | ND | ug/L | 0.40 | 0.065 | EPA-8151A | ND | | 1 |
| 2,4-DB | ND | ug/L | 3.0 | 0.32 | EPA-8151A | ND | | 1 |
| Dalapon | ND | ug/L | 10 | 2.4 | EPA-8151A | ND | | 1 |
| Dicamba | ND | ug/L | 0.080 | 0.037 | EPA-8151A | ND | | 1 |
| Dichloroprop | ND | ug/L | 0.50 | 0.012 | EPA-8151A | ND | | 1 |
| Dinoseb | ND | ug/L | 0.20 | 0.040 | EPA-8151A | ND | | 1 |
| 2,4,5-T | ND | ug/L | 0.090 | 0.012 | EPA-8151A | ND | | 1 |
| 2,4,5-TP (Silvex) | ND | ug/L | 0.070 | 0.016 | EPA-8151A | ND | | 1 |
| 2,4-Dichlorophenylacetic acid (Surrogate) | 59.5 | % | 30 - 140 (LCL - UCL) | | EPA-8151A | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-8151A | 08/18/14 | 08/20/14 16:49 | mk1 | GC-8 | 1 | BXH1891 |

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1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

**BCL Sample ID:** 1418489-05 | **Client Sample Name:** N15-4, 8/11/2014 3:45:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 2.0 | 0.24 | EPA-8270C | ND | | 1 |
| Acenaphthylene | ND | ug/L | 2.0 | 0.28 | EPA-8270C | ND | | 1 |
| Aldrin | ND | ug/L | 2.0 | 0.35 | EPA-8270C | ND | | 1 |
| Aniline | ND | ug/L | 5.0 | 0.69 | EPA-8270C | ND | | 1 |
| Anthracene | ND | ug/L | 2.0 | 0.30 | EPA-8270C | ND | | 1 |
| Benzidine | ND | ug/L | 20 | 7.1 | EPA-8270C | ND | | 1 |
| Benzo[a]anthracene | ND | ug/L | 2.0 | 0.38 | EPA-8270C | ND | | 1 |
| Benzo[b]fluoranthene | ND | ug/L | 2.0 | 0.41 | EPA-8270C | ND | | 1 |
| Benzo[k]fluoranthene | ND | ug/L | 2.0 | 0.31 | EPA-8270C | ND | | 1 |
| Benzo[a]pyrene | ND | ug/L | 2.0 | 0.20 | EPA-8270C | ND | | 1 |
| Benzo[g,h,i]perylene | ND | ug/L | 2.0 | 0.22 | EPA-8270C | ND | | 1 |
| Benzoic acid | ND | ug/L | 10 | 5.8 | EPA-8270C | ND | | 1 |
| Benzyl alcohol | ND | ug/L | 2.0 | 0.34 | EPA-8270C | ND | | 1 |
| Benzyl butyl phthalate | ND | ug/L | 2.0 | 0.47 | EPA-8270C | ND | | 1 |
| alpha-BHC | ND | ug/L | 2.0 | 0.27 | EPA-8270C | ND | | 1 |
| beta-BHC | ND | ug/L | 2.0 | 0.27 | EPA-8270C | ND | | 1 |
| delta-BHC | ND | ug/L | 2.0 | 0.30 | EPA-8270C | ND | | 1 |
| gamma-BHC (Lindane) | ND | ug/L | 2.0 | 0.22 | EPA-8270C | ND | | 1 |
| bis(2-Chloroethoxy)methane | ND | ug/L | 2.0 | 0.27 | EPA-8270C | ND | | 1 |
| bis(2-Chloroethyl) ether | ND | ug/L | 2.0 | 0.68 | EPA-8270C | ND | | 1 |
| bis(2-Chloroisopropyl)ether | ND | ug/L | 2.0 | 0.30 | EPA-8270C | ND | | 1 |
| bis(2-Ethylhexyl)phthalate | ND | ug/L | 5.0 | 3.0 | EPA-8270C | ND | | 1 |
| 4-Bromophenyl phenyl ether | ND | ug/L | 2.0 | 0.23 | EPA-8270C | ND | | 1 |
| 4-Chloroaniline | ND | ug/L | 2.0 | 0.69 | EPA-8270C | ND | | 1 |
| 2-Chloronaphthalene | ND | ug/L | 2.0 | 0.34 | EPA-8270C | ND | | 1 |
| 4-Chlorophenyl phenyl ether | ND | ug/L | 2.0 | 0.23 | EPA-8270C | ND | | 1 |
| Chrysene | ND | ug/L | 2.0 | 0.63 | EPA-8270C | ND | | 1 |
| 4,4'-DDD | ND | ug/L | 2.0 | 0.48 | EPA-8270C | ND | | 1 |
| 4,4'-DDE | ND | ug/L | 3.0 | 0.41 | EPA-8270C | ND | | 1 |
| 4,4'-DDT | ND | ug/L | 2.0 | 0.43 | EPA-8270C | ND | | 1 |
| Dibenzo[a,h]anthracene | ND | ug/L | 3.0 | 0.26 | EPA-8270C | ND | | 1 |
| Dibenzofuran | ND | ug/L | 2.0 | 0.21 | EPA-8270C | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 2.0 | 0.37 | EPA-8270C | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

**BCL Sample ID:** 1418489-05 | **Client Sample Name:** N15-4, 8/11/2014 3:45:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | ND | ug/L | 2.0 | 0.35 | EPA-8270C | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 2.0 | 0.31 | EPA-8270C | ND | | 1 |
| 3,3-Dichlorobenzidine | ND | ug/L | 10 | 8.2 | EPA-8270C | ND | | 1 |
| Dieldrin | ND | ug/L | 3.0 | 0.41 | EPA-8270C | ND | | 1 |
| Diethyl phthalate | ND | ug/L | 2.0 | 0.33 | EPA-8270C | ND | | 1 |
| Dimethyl phthalate | ND | ug/L | 2.0 | 0.39 | EPA-8270C | ND | | 1 |
| Di-n-butyl phthalate | ND | ug/L | 2.0 | 0.39 | EPA-8270C | ND | | 1 |
| 2,4-Dinitrotoluene | ND | ug/L | 2.0 | 0.26 | EPA-8270C | ND | | 1 |
| 2,6-Dinitrotoluene | ND | ug/L | 2.0 | 0.41 | EPA-8270C | ND | | 1 |
| Di-n-octyl phthalate | ND | ug/L | 2.0 | 0.46 | EPA-8270C | ND | | 1 |
| 1,2-Diphenylhydrazine | ND | ug/L | 2.0 | 0.34 | EPA-8270C | ND | | 1 |
| Endosulfan I | ND | ug/L | 10 | 1.7 | EPA-8270C | ND | | 1 |
| Endosulfan II | ND | ug/L | 10 | 1.2 | EPA-8270C | ND | | 1 |
| Endosulfan sulfate | ND | ug/L | 3.0 | 0.58 | EPA-8270C | ND | | 1 |
| Endrin | ND | ug/L | 2.0 | 1.1 | EPA-8270C | ND | | 1 |
| Endrin aldehyde | ND | ug/L | 10 | 0.52 | EPA-8270C | ND | | 1 |
| Fluoranthene | ND | ug/L | 2.0 | 0.20 | EPA-8270C | ND | | 1 |
| Fluorene | ND | ug/L | 2.0 | 0.28 | EPA-8270C | ND | | 1 |
| Heptachlor | ND | ug/L | 2.0 | 0.32 | EPA-8270C | ND | | 1 |
| Heptachlor epoxide | ND | ug/L | 2.0 | 0.27 | EPA-8270C | ND | | 1 |
| Hexachlorobenzene | ND | ug/L | 2.0 | 0.20 | EPA-8270C | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 2.0 | 0.24 | EPA-8270C | ND | | 1 |
| Hexachlorocyclopentadiene | ND | ug/L | 2.0 | 0.30 | EPA-8270C | ND | | 1 |
| Hexachloroethane | ND | ug/L | 2.0 | 0.32 | EPA-8270C | ND | | 1 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 2.0 | 0.26 | EPA-8270C | ND | | 1 |
| Isophorone | ND | ug/L | 2.0 | 0.31 | EPA-8270C | ND | | 1 |
| 2-Methylnaphthalene | ND | ug/L | 2.0 | 0.28 | EPA-8270C | ND | | 1 |
| Naphthalene | ND | ug/L | 2.0 | 0.21 | EPA-8270C | ND | | 1 |
| 2-Naphthylamine | ND | ug/L | 20 | 4.8 | EPA-8270C | ND | | 1 |
| 2-Nitroaniline | ND | ug/L | 2.0 | 0.33 | EPA-8270C | ND | | 1 |
| 3-Nitroaniline | ND | ug/L | 2.0 | 0.66 | EPA-8270C | ND | | 1 |
| 4-Nitroaniline | ND | ug/L | 5.0 | 0.87 | EPA-8270C | ND | | 1 |
| Nitrobenzene | ND | ug/L | 2.0 | 0.26 | EPA-8270C | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

**BCL Sample ID:** 1418489-05 | **Client Sample Name:** N15-4, 8/11/2014 3:45:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| N-Nitrosodimethylamine | ND | ug/L | 2.0 | 0.61 | EPA-8270C | ND | | 1 |
| N-Nitrosodi-N-propylamine | ND | ug/L | 2.0 | 1.3 | EPA-8270C | ND | | 1 |
| N-Nitrosodiphenylamine | ND | ug/L | 2.0 | 0.44 | EPA-8270C | ND | | 1 |
| Phenanthrene | ND | ug/L | 2.0 | 0.20 | EPA-8270C | ND | | 1 |
| Pyrene | ND | ug/L | 2.0 | 0.26 | EPA-8270C | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 2.0 | 0.27 | EPA-8270C | ND | | 1 |
| 4-Chloro-3-methylphenol | ND | ug/L | 5.0 | 0.40 | EPA-8270C | ND | | 1 |
| 2-Chlorophenol | ND | ug/L | 2.0 | 0.37 | EPA-8270C | ND | | 1 |
| 2,4-Dichlorophenol | ND | ug/L | 2.0 | 0.43 | EPA-8270C | ND | | 1 |
| 2,4-Dimethylphenol | ND | ug/L | 2.0 | 0.20 | EPA-8270C | ND | | 1 |
| 4,6-Dinitro-2-methylphenol | ND | ug/L | 10 | 0.34 | EPA-8270C | ND | | 1 |
| 2,4-Dinitrophenol | ND | ug/L | 10 | 0.20 | EPA-8270C | ND | | 1 |
| 2-Methylphenol | ND | ug/L | 2.0 | 1.0 | EPA-8270C | ND | | 1 |
| 3- & 4-Methylphenol | ND | ug/L | 2.0 | 1.6 | EPA-8270C | ND | | 1 |
| 2-Nitrophenol | ND | ug/L | 2.0 | 0.28 | EPA-8270C | ND | | 1 |
| 4-Nitrophenol | ND | ug/L | 2.0 | 0.73 | EPA-8270C | ND | | 1 |
| Pentachlorophenol | ND | ug/L | 10 | 0.79 | EPA-8270C | ND | | 1 |
| Phenol | ND | ug/L | 2.0 | 0.20 | EPA-8270C | ND | | 1 |
| 2,4,5-Trichlorophenol | ND | ug/L | 5.0 | 0.31 | EPA-8270C | ND | | 1 |
| 2,4,6-Trichlorophenol | ND | ug/L | 5.0 | 0.60 | EPA-8270C | ND | | 1 |
| 2-Fluorophenol (Surrogate) | 60.1 | % | 30 - 120 (LCL - UCL) | | EPA-8270C | | | 1 |
| Phenol-d5 (Surrogate) | 43.6 | % | 12 - 110 (LCL - UCL) | | EPA-8270C | | | 1 |
| Nitrobenzene-d5 (Surrogate) | 106 | % | 60 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2-Fluorobiphenyl (Surrogate) | 87.2 | % | 55 - 125 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2,4,6-Tribromophenol (Surrogate) | 95.5 | % | 40 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |
| p-Terphenyl-d14 (Surrogate) | 110 | % | 40 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-8270C | 08/15/14 | 08/19/14 23:32 | VH1 | MS-B1 | 0.990 | BXH1768 |

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1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# NDMA (EPA Method 8270C-SIM)

**BCL Sample ID:** 1418489-05 | **Client Sample Name:** N15-4, 8/11/2014 3:45:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| N-Nitrosodimethylamine | ND | ug/L | 0.010 | 0.0030 | EPA-8270C-SIM NDMA | ND | | 1 |
| Naphthalene-d8 (Surrogate) | 75.5 | % | 65 - 142 (LCL - UCL) | | EPA-8270C-SIM NDMA | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-8270C-SIM NDMA | 08/18/14 | 08/26/14 20:48 | MK1 | MS-B4 | 0.990 | BXH2542 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418489-05 | **Client Sample Name:** N15-4, 8/11/2014 3:45:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Dissolved Calcium** | **51** | **mg/L** | **0.10** | **0.016** | **EPA-6010B** | 0.024 | | 1 |
| **Dissolved Magnesium** | **6.3** | **mg/L** | **0.050** | **0.019** | **EPA-6010B** | ND | | 1 |
| **Dissolved Sodium** | **13** | **mg/L** | **0.50** | **0.051** | **EPA-6010B** | ND | | 1 |
| **Dissolved Potassium** | **1.9** | **mg/L** | **1.0** | **0.10** | **EPA-6010B** | ND | | 1 |
| Hydroxide | ND | mg/L | 1.4 | 1.4 | EPA-310.1 | ND | | 2 |
| **Total Alkalinity as CaCO3** | **140** | **mg/L** | **4.1** | **4.1** | **EPA-310.1** | ND | | 2 |
| **Chloride** | **3.9** | **mg/L** | **0.50** | **0.067** | **EPA-300.0** | 0.12 | | 3 |
| **Nitrate as N** | **1.8** | **mg/L** | **0.10** | **0.025** | **EPA-300.0** | ND | | 3 |
| **Sulfate** | **14** | **mg/L** | **1.0** | **0.18** | **EPA-300.0** | ND | | 3 |
| **Dissolved Hardness as CaCO3** | **150** | **mg/L** | **0.50** | **0.10** | **Calc** | ND | | 4 |
| **Total Dissolved Solids @ 180 C** | **190** | **mg/L** | **20** | **20** | **EPA-160.1** | ND | | 5 |
| MBAS | ND | mg/L | 0.10 | 0.015 | EPA-425.1 | ND | | 6 |
| Perchlorate | ND | ug/L | 4.0 | 0.45 | EPA-314.0 | ND | | 7 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-6010B | 08/11/14 | 08/15/14 16:15 | ARD | PE-OP1 | 1 | BXH1312 |
| 2 | EPA-310.1 | 08/13/14 | 08/13/14 17:00 | RML | MET-1 | 1 | BXH1111 |
| 3 | EPA-300.0 | 08/12/14 | 08/13/14 02:37 | LD1 | IC1 | 1 | BXH1078 |
| 4 | Calc | 08/13/14 | 08/27/14 15:08 | TMS | Calc | 1 | BXH1166 |
| 5 | EPA-160.1 | 08/14/14 | 08/14/14 13:15 | CAD | KONE-1 | 2 | BXH1293 |
| 6 | EPA-425.1 | 08/13/14 | 08/13/14 09:00 | JMN | MANUAL | 1 | BXH1104 |
| 7 | EPA-314.0 | 08/29/14 | 08/29/14 22:34 | OLH | IC6 | 1 | BXH2979 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Metals Analysis

**BCL Sample ID:** 1418489-05 | **Client Sample Name:** N15-4, 8/11/2014 3:45:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Dissolved Antimony** | **7.0** | **ug/L** | **100** | **4.9** | **EPA-6010B** | 6.2 | **J** | 1 |
| **Dissolved Arsenic** | **16** | **ug/L** | **50** | **9.2** | **EPA-6010B** | ND | **J** | 1 |
| **Dissolved Barium** | **29** | **ug/L** | **10** | **3.5** | **EPA-6010B** | ND | | 1 |
| Dissolved Beryllium | ND | ug/L | 10 | 0.50 | EPA-6010B | ND | | 1 |
| Dissolved Cadmium | ND | ug/L | 10 | 1.1 | EPA-6010B | ND | | 1 |
| **Dissolved Chromium** | **1.2** | **ug/L** | **10** | **1.0** | **EPA-6010B** | ND | **J** | 1 |
| **Dissolved Cobalt** | **1.1** | **ug/L** | **50** | **1.1** | **EPA-6010B** | ND | **J** | 1 |
| Dissolved Copper | ND | ug/L | 10 | 1.0 | EPA-6010B | ND | | 1 |
| **Dissolved Lead** | **5.4** | **ug/L** | **50** | **3.5** | **EPA-6010B** | ND | **J** | 1 |
| Dissolved Mercury | ND | ug/L | 0.20 | 0.024 | EPA-7470A | ND | | 2 |
| **Dissolved Molybdenum** | **14** | **ug/L** | **50** | **1.4** | **EPA-6010B** | ND | **J** | 1 |
| Dissolved Nickel | ND | ug/L | 10 | 2.4 | EPA-6010B | ND | | 1 |
| Dissolved Selenium | ND | ug/L | 100 | 15 | EPA-6010B | ND | | 3 |
| Dissolved Silver | ND | ug/L | 10 | 1.2 | EPA-6010B | ND | | 3 |
| Dissolved Thallium | ND | ug/L | 100 | 10 | EPA-6010B | ND | | 1 |
| **Dissolved Vanadium** | **7.5** | **ug/L** | **10** | **2.2** | **EPA-6010B** | ND | **J** | 1 |
| Dissolved Zinc | ND | ug/L | 10 | 5.0 | EPA-6010B | ND | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-6010B | 08/11/14 | 08/15/14 16:15 | ARD | PE-OP1 | 1 | BXH1312 |
| 2 | EPA-7470A | 08/14/14 | 08/18/14 09:24 | MEV | CETAC1 | 1 | BXH1259 |
| 3 | EPA-6010B | 08/11/14 | 08/18/14 11:04 | ARD | PE-OP1 | 1 | BXH1312 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-06 | **Client Sample Name:** QCAB, 8/11/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-06 | **Client Sample Name:** QCAB, 8/11/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Trichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-06 | **Client Sample Name:** QCAB, 8/11/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | V11 | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 108 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 98.1 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 82.7 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/14/14 | 08/14/14 17:15 | JCC | MS-V14 | 1 | BXH0998 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418489-06 | **Client Sample Name:** QCAB, 8/11/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Perchlorate | ND | ug/L | 4.0 | 0.45 | EPA-314.0 | ND | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 08/29/14 | 08/29/14 22:48 | OLH | IC6 | 1 | BXH2979 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-07 | **Client Sample Name:** QCEB, 8/11/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-07 | **Client Sample Name:** QCEB, 8/11/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Trichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-07 | **Client Sample Name:** QCEB, 8/11/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | V11 | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 107 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 100 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 85.2 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/14/14 | 08/14/14 14:55 | JCC | MS-V14 | 1 | BXH0998 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418489-07 | **Client Sample Name:** QCEB, 8/11/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Perchlorate | ND | ug/L | 4.0 | 0.45 | EPA-314.0 | ND | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 08/29/14 | 08/29/14 23:02 | OLH | IC6 | 1 | BXH2979 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-08 | **Client Sample Name:** QCTB, 8/11/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-08 | **Client Sample Name:** QCTB, 8/11/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Trichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418489-08 | **Client Sample Name:** QCTB, 8/11/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | V11 | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 106 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 98.1 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 83.7 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/14/14 | 08/14/14 14:32 | JCC | MS-V14 | 1 | BXH0998 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH0998** | | | | | | |
| Benzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.083 | |
| Bromobenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| Bromochloromethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.24 | |
| Bromodichloromethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.14 | |
| Bromoform | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.27 | |
| Bromomethane | BXH0998-BLK1 | ND | ug/L | 1.0 | 0.25 | |
| n-Butylbenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| sec-Butylbenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| tert-Butylbenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| Carbon tetrachloride | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.18 | |
| Chlorobenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.093 | |
| Chloroethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.14 | |
| Chloroform | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| Chloromethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.14 | |
| 2-Chlorotoluene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.20 | |
| 4-Chlorotoluene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| Dibromochloromethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| 1,2-Dibromo-3-chloropropane | BXH0998-BLK1 | ND | ug/L | 1.0 | 0.44 | |
| 1,2-Dibromoethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.16 | |
| Dibromomethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.24 | |
| 1,2-Dichlorobenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.072 | |
| 1,3-Dichlorobenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| 1,4-Dichlorobenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.062 | |
| Dichlorodifluoromethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.099 | |
| 1,1-Dichloroethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| 1,2-Dichloroethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.17 | |
| 1,1-Dichloroethene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.18 | |
| cis-1,2-Dichloroethene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.085 | |
| trans-1,2-Dichloroethene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| 1,2-Dichloropropane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| 1,3-Dichloropropane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.086 | |
| 2,2-Dichloropropane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| 1,1-Dichloropropene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.085 | |
| cis-1,3-Dichloropropene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.14 | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH0998** | | | | | | |
| trans-1,3-Dichloropropene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.079 | |
| Ethylbenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.098 | |
| Hexachlorobutadiene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.17 | |
| Isopropylbenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.14 | |
| p-Isopropyltoluene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| Methylene chloride | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.48 | |
| Methyl t-butyl ether | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| Naphthalene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.36 | |
| n-Propylbenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| Styrene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.068 | |
| 1,1,1,2-Tetrachloroethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.18 | |
| 1,1,2,2-Tetrachloroethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.17 | |
| Tetrachloroethene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| Toluene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.093 | |
| 1,2,3-Trichlorobenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.16 | |
| 1,2,4-Trichlorobenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.19 | |
| 1,1,1-Trichloroethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| 1,1,2-Trichloroethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.16 | |
| Trichloroethene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.085 | |
| Trichlorofluoromethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| 1,2,3-Trichloropropane | BXH0998-BLK1 | ND | ug/L | 1.0 | 0.24 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| 1,2,4-Trimethylbenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| 1,3,5-Trimethylbenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| Vinyl chloride | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| Acetone | BXH0998-BLK1 | ND | ug/L | 10 | 4.6 | |
| Acrylonitrile | BXH0998-BLK1 | ND | ug/L | 5.0 | 1.2 | |
| Allyl chloride | BXH0998-BLK1 | ND | ug/L | 5.0 | 0.80 | |
| t-Amyl Methyl ether | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.25 | |
| t-Butyl alcohol | BXH0998-BLK1 | ND | ug/L | 10 | 9.4 | |
| Carbon disulfide | BXH0998-BLK1 | ND | ug/L | 1.0 | 0.38 | |
| trans-1,4-Dichloro-2-butene | BXH0998-BLK1 | ND | ug/L | 5.0 | 1.4 | |
| Diisopropyl ether | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.23 | |
| Ethyl methacrylate | BXH0998-BLK1 | ND | ug/L | 4.0 | 0.97 | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH0998** | | | | | | |
| Ethyl t-butyl ether | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.18 | |
| 2-Hexanone | BXH0998-BLK1 | ND | ug/L | 10 | 3.4 | |
| Methacrylonitrile | BXH0998-BLK1 | ND | ug/L | 10 | 1.7 | |
| Methyl ethyl ketone | BXH0998-BLK1 | ND | ug/L | 10 | 2.5 | |
| Methyl iodide | BXH0998-BLK1 | ND | ug/L | 2.0 | 0.47 | |
| Methyl isobutyl ketone | BXH0998-BLK1 | ND | ug/L | 10 | 2.1 | |
| Methyl methacrylate | BXH0998-BLK1 | ND | ug/L | 5.0 | 1.5 | |
| Nitrobenzene | BXH0998-BLK1 | ND | ug/L | 30 | 13 | |
| Pentachloroethane | BXH0998-BLK1 | ND | ug/L | 2.0 | 0.43 | |
| Propionitrile | BXH0998-BLK1 | ND | ug/L | 20 | 4.2 | |
| Tetrahydrofuran | BXH0998-BLK1 | ND | ug/L | 20 | 5.2 | |
| p- & m-Xylenes | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.28 | |
| o-Xylene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.082 | |
| **1,2-Dichloroethane-d4 (Surrogate)** | **BXH0998-BLK1** | **106** | % | **75 - 125 (LCL - UCL)** | | |
| **Toluene-d8 (Surrogate)** | **BXH0998-BLK1** | **97.5** | % | **80 - 120 (LCL - UCL)** | | |
| **4-Bromofluorobenzene (Surrogate)** | **BXH0998-BLK1** | **83.9** | % | **80 - 120 (LCL - UCL)** | | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH0998** | | | | | | | | | | |
| Benzene | BXH0998-BS1 | LCS | 22.880 | 25.000 | ug/L | 91.5 | | 70 - 130 | | |
| Bromodichloromethane | BXH0998-BS1 | LCS | 22.773 | 25.000 | ug/L | 91.1 | | 70 - 130 | | |
| Chlorobenzene | BXH0998-BS1 | LCS | 21.877 | 25.000 | ug/L | 87.5 | | 70 - 130 | | |
| Chloroethane | BXH0998-BS1 | LCS | 24.630 | 25.000 | ug/L | 98.5 | | 70 - 130 | | |
| 1,4-Dichlorobenzene | BXH0998-BS1 | LCS | 23.838 | 25.000 | ug/L | 95.4 | | 70 - 130 | | |
| 1,1-Dichloroethane | BXH0998-BS1 | LCS | 21.803 | 25.000 | ug/L | 87.2 | | 70 - 130 | | |
| 1,1-Dichloroethene | BXH0998-BS1 | LCS | 24.779 | 25.000 | ug/L | 99.1 | | 70 - 130 | | |
| Toluene | BXH0998-BS1 | LCS | 22.290 | 25.000 | ug/L | 89.2 | | 70 - 130 | | |
| Trichloroethene | BXH0998-BS1 | LCS | 24.899 | 25.000 | ug/L | 99.6 | | 70 - 130 | | |
| 1,2-Dichloroethane-d4 (Surrogate) | BXH0998-BS1 | LCS | 10.530 | 10.000 | ug/L | 105 | | 75 - 125 | | |
| Toluene-d8 (Surrogate) | BXH0998-BS1 | LCS | 9.8500 | 10.000 | ug/L | 98.5 | | 80 - 120 | | |
| 4-Bromofluorobenzene (Surrogate) | BXH0998-BS1 | LCS | 10.050 | 10.000 | ug/L | 100 | | 80 - 120 | | |

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**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH0998** | Used client sample: N | | | | | | | | | | |
| Benzene | MS | 1416132-80 | ND | 26.187 | 25.000 | ug/L | | 105 | | 70 - 130 | |
| | MSD | 1416132-80 | ND | 23.741 | 25.000 | ug/L | 9.8 | 95.0 | 20 | 70 - 130 | |
| Bromodichloromethane | MS | 1416132-80 | ND | 25.848 | 25.000 | ug/L | | 103 | | 70 - 130 | |
| | MSD | 1416132-80 | ND | 24.341 | 25.000 | ug/L | 6.0 | 97.4 | 20 | 70 - 130 | |
| Chlorobenzene | MS | 1416132-80 | ND | 25.029 | 25.000 | ug/L | | 100 | | 70 - 130 | |
| | MSD | 1416132-80 | ND | 23.325 | 25.000 | ug/L | 7.0 | 93.3 | 20 | 70 - 130 | |
| Chloroethane | MS | 1416132-80 | ND | 26.400 | 25.000 | ug/L | | 106 | | 70 - 130 | |
| | MSD | 1416132-80 | ND | 25.610 | 25.000 | ug/L | 3.0 | 102 | 20 | 70 - 130 | |
| 1,4-Dichlorobenzene | MS | 1416132-80 | ND | 28.024 | 25.000 | ug/L | | 112 | | 70 - 130 | |
| | MSD | 1416132-80 | ND | 25.496 | 25.000 | ug/L | 9.4 | 102 | 20 | 70 - 130 | |
| 1,1-Dichloroethane | MS | 1416132-80 | ND | 25.342 | 25.000 | ug/L | | 101 | | 70 - 130 | |
| | MSD | 1416132-80 | ND | 23.371 | 25.000 | ug/L | 8.1 | 93.5 | 20 | 70 - 130 | |
| 1,1-Dichloroethene | MS | 1416132-80 | ND | 27.975 | 25.000 | ug/L | | 112 | | 70 - 130 | |
| | MSD | 1416132-80 | ND | 26.134 | 25.000 | ug/L | 6.8 | 105 | 20 | 70 - 130 | |
| Toluene | MS | 1416132-80 | ND | 24.872 | 25.000 | ug/L | | 99.5 | | 70 - 130 | |
| | MSD | 1416132-80 | ND | 23.492 | 25.000 | ug/L | 5.7 | 94.0 | 20 | 70 - 130 | |
| Trichloroethene | MS | 1416132-80 | ND | 27.978 | 25.000 | ug/L | | 112 | | 70 - 130 | |
| | MSD | 1416132-80 | ND | 26.305 | 25.000 | ug/L | 6.2 | 105 | 20 | 70 - 130 | |
| 1,2-Dichloroethane-d4 (Surrogate) | MS | 1416132-80 | ND | 11.360 | 10.000 | ug/L | | 114 | | 75 - 125 | |
| | MSD | 1416132-80 | ND | 10.650 | 10.000 | ug/L | 6.5 | 106 | | 75 - 125 | |
| Toluene-d8 (Surrogate) | MS | 1416132-80 | ND | 10.030 | 10.000 | ug/L | | 100 | | 80 - 120 | |
| | MSD | 1416132-80 | ND | 10.050 | 10.000 | ug/L | 0.2 | 100 | | 80 - 120 | |
| 4-Bromofluorobenzene (Surrogate) | MS | 1416132-80 | ND | 10.300 | 10.000 | ug/L | | 103 | | 80 - 120 | |
| | MSD | 1416132-80 | ND | 10.140 | 10.000 | ug/L | 1.6 | 101 | | 80 - 120 | |

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**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Organochlorine Pesticides and PCB's (EPA Method 8080)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1619** | | | | | | |
| Aldrin | BXH1619-BLK1 | ND | ug/L | 0.0050 | 0.0013 | |
| alpha-BHC | BXH1619-BLK1 | ND | ug/L | 0.0050 | 0.0011 | |
| beta-BHC | BXH1619-BLK1 | ND | ug/L | 0.0050 | 0.0021 | |
| delta-BHC | BXH1619-BLK1 | ND | ug/L | 0.0050 | 0.0014 | |
| gamma-BHC (Lindane) | BXH1619-BLK1 | ND | ug/L | 0.0050 | 0.00094 | |
| Chlordane (Technical) | BXH1619-BLK1 | ND | ug/L | 0.50 | 0.38 | |
| 4,4'-DDD | BXH1619-BLK1 | ND | ug/L | 0.0050 | 0.0017 | |
| 4,4'-DDE | BXH1619-BLK1 | ND | ug/L | 0.0050 | 0.0019 | |
| 4,4'-DDT | BXH1619-BLK1 | ND | ug/L | 0.0050 | 0.00076 | |
| Dieldrin | BXH1619-BLK1 | ND | ug/L | 0.0050 | 0.0012 | |
| Endosulfan I | BXH1619-BLK1 | ND | ug/L | 0.0050 | 0.0016 | |
| Endosulfan II | BXH1619-BLK1 | ND | ug/L | 0.0050 | 0.0014 | |
| Endosulfan sulfate | BXH1619-BLK1 | ND | ug/L | 0.0050 | 0.0026 | |
| Endrin | BXH1619-BLK1 | ND | ug/L | 0.0050 | 0.00082 | |
| Endrin aldehyde | BXH1619-BLK1 | ND | ug/L | 0.010 | 0.0032 | |
| Heptachlor | BXH1619-BLK1 | ND | ug/L | 0.0050 | 0.0012 | |
| Heptachlor epoxide | BXH1619-BLK1 | ND | ug/L | 0.0050 | 0.00099 | |
| Methoxychlor | BXH1619-BLK1 | ND | ug/L | 0.0050 | 0.0011 | |
| Toxaphene | BXH1619-BLK1 | ND | ug/L | 2.0 | 0.42 | |
| PCB-1016 | BXH1619-BLK1 | ND | ug/L | 0.20 | 0.045 | |
| PCB-1221 | BXH1619-BLK1 | ND | ug/L | 0.20 | 0.070 | |
| PCB-1232 | BXH1619-BLK1 | ND | ug/L | 0.20 | 0.081 | |
| PCB-1242 | BXH1619-BLK1 | ND | ug/L | 0.20 | 0.065 | |
| PCB-1248 | BXH1619-BLK1 | ND | ug/L | 0.20 | 0.085 | |
| PCB-1254 | BXH1619-BLK1 | ND | ug/L | 0.20 | 0.077 | |
| PCB-1260 | BXH1619-BLK1 | ND | ug/L | 0.20 | 0.060 | |
| Total PCB's (Summation) | BXH1619-BLK1 | ND | ug/L | 0.20 | 0.10 | |
| **TCMX (Surrogate)** | **BXH1619-BLK1** | **70.7** | % | **40 - 140 (LCL - UCL)** | | |
| **Decachlorobiphenyl (Surrogate)** | **BXH1619-BLK1** | **64.6** | % | **40 - 120 (LCL - UCL)** | | |

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Project Number: 2013.0100
Project Manager: Jason Sapp

# Organochlorine Pesticides and PCB's (EPA Method 8080)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1619** | | | | | | | | | | |
| Aldrin | BXH1619-BS1 | LCS | 0.10126 | 0.15000 | ug/L | 67.5 | | 60 - 130 | | |
| gamma-BHC (Lindane) | BXH1619-BS1 | LCS | 0.12876 | 0.15000 | ug/L | 85.8 | | 60 - 130 | | |
| 4,4'-DDT | BXH1619-BS1 | LCS | 0.14274 | 0.15000 | ug/L | 95.2 | | 60 - 130 | | |
| Dieldrin | BXH1619-BS1 | LCS | 0.15043 | 0.15000 | ug/L | 100 | | 60 - 130 | | |
| Endrin | BXH1619-BS1 | LCS | 0.15142 | 0.15000 | ug/L | 101 | | 60 - 130 | | |
| Heptachlor | BXH1619-BS1 | LCS | 0.12525 | 0.15000 | ug/L | 83.5 | | 60 - 130 | | |
| TCMX (Surrogate) | BXH1619-BS1 | LCS | 0.26537 | 0.30000 | ug/L | 88.5 | | 40 - 140 | | |
| Decachlorobiphenyl (Surrogate) | BXH1619-BS1 | LCS | 0.39432 | 0.75000 | ug/L | 52.6 | | 40 - 120 | | |

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Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Organochlorine Pesticides and PCB's (EPA Method 8080)

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1619** | Used client sample: N | | | | | | | | | | |
| **Aldrin** | MS | **1416132-91** | **ND** | **0.11256** | **0.15000** | **ug/L** | | **75.0** | | **50 - 130** | |
| | MSD | **1416132-91** | **ND** | **0.071200** | **0.15000** | **ug/L** | **45.0** | **47.5** | **30** | **50 - 130** | **Q02,Q03** |
| gamma-BHC (Lindane) | MS | 1416132-91 | ND | 0.12528 | 0.15000 | ug/L | | 83.5 | | 60 - 130 | |
| | MSD | 1416132-91 | ND | 0.13330 | 0.15000 | ug/L | 6.2 | 88.9 | 30 | 60 - 130 | |
| 4,4'-DDT | MS | 1416132-91 | ND | 0.13707 | 0.15000 | ug/L | | 91.4 | | 60 - 130 | |
| | MSD | 1416132-91 | ND | 0.15426 | 0.15000 | ug/L | 11.8 | 103 | 30 | 60 - 130 | |
| Dieldrin | MS | 1416132-91 | ND | 0.14359 | 0.15000 | ug/L | | 95.7 | | 65 - 130 | |
| | MSD | 1416132-91 | ND | 0.15352 | 0.15000 | ug/L | 6.7 | 102 | 30 | 65 - 130 | |
| Endrin | MS | 1416132-91 | ND | 0.14291 | 0.15000 | ug/L | | 95.3 | | 60 - 130 | |
| | MSD | 1416132-91 | ND | 0.15133 | 0.15000 | ug/L | 5.7 | 101 | 30 | 60 - 130 | |
| Heptachlor | MS | 1416132-91 | ND | 0.12656 | 0.15000 | ug/L | | 84.4 | | 50 - 130 | |
| | MSD | 1416132-91 | ND | 0.099550 | 0.15000 | ug/L | 23.9 | 66.4 | 30 | 50 - 130 | |
| TCMX (Surrogate) | MS | 1416132-91 | ND | 0.27463 | 0.30000 | ug/L | | 91.5 | | 40 - 140 | |
| | MSD | 1416132-91 | ND | 0.26145 | 0.30000 | ug/L | 4.9 | 87.2 | | 40 - 140 | |
| Decachlorobiphenyl (Surrogate) | MS | 1416132-91 | ND | 0.43986 | 0.75000 | ug/L | | 58.6 | | 40 - 120 | |
| | MSD | 1416132-91 | ND | 0.49903 | 0.75000 | ug/L | 12.6 | 66.5 | | 40 - 120 | |

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**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141B)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1764** | | | | | | |
| Azinphos methyl | BXH1764-BLK1 | ND | ug/L | 0.20 | 0.055 | |
| Bolstar | BXH1764-BLK1 | ND | ug/L | 0.20 | 0.055 | |
| Chlorpyrifos | BXH1764-BLK1 | ND | ug/L | 0.20 | 0.010 | |
| Coumaphos | BXH1764-BLK1 | ND | ug/L | 0.20 | 0.054 | |
| Demeton O/S | BXH1764-BLK1 | ND | ug/L | 0.20 | 0.026 | |
| Diazinon | BXH1764-BLK1 | ND | ug/L | 0.20 | 0.044 | |
| Dichlorvos | BXH1764-BLK1 | ND | ug/L | 0.20 | 0.070 | |
| Disulfoton | BXH1764-BLK1 | ND | ug/L | 0.50 | 0.039 | |
| Ethoprop | BXH1764-BLK1 | ND | ug/L | 0.20 | 0.025 | |
| Fensulfothion | BXH1764-BLK1 | ND | ug/L | 0.20 | 0.088 | |
| Fenthion | BXH1764-BLK1 | ND | ug/L | 0.20 | 0.033 | |
| Merphos | BXH1764-BLK1 | ND | ug/L | 0.20 | 0.058 | |
| Methyl parathion | BXH1764-BLK1 | ND | ug/L | 0.20 | 0.074 | |
| Mevinphos | BXH1764-BLK1 | ND | ug/L | 0.20 | 0.053 | |
| Naled | BXH1764-BLK1 | ND | ug/L | 0.20 | 0.072 | |
| Phorate | BXH1764-BLK1 | ND | ug/L | 0.20 | 0.041 | |
| Ronnel (Fenchlorphos) | BXH1764-BLK1 | ND | ug/L | 0.20 | 0.067 | |
| Stirophos (Tetrachlorvinphos) | BXH1764-BLK1 | ND | ug/L | 0.20 | 0.046 | |
| Tokuthion (Prothiofos) | BXH1764-BLK1 | ND | ug/L | 0.20 | 0.032 | |
| Trichloronate | BXH1764-BLK1 | ND | ug/L | 0.20 | 0.038 | |
| **Triphenylphosphate (Surrogate)** | **BXH1764-BLK1** | **107** | % | **50 - 140 (LCL - UCL)** | | |

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**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141B)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1764** | | | | | | | | | | |
| Bolstar | BXH1764-BS1 | LCS | 0.56000 | 0.80000 | ug/L | 70.0 | | 50 - 130 | | |
| Chlorpyrifos | BXH1764-BS1 | LCS | 0.69500 | 0.80000 | ug/L | 86.9 | | 60 - 120 | | |
| Diazinon | BXH1764-BS1 | LCS | 0.74500 | 0.80000 | ug/L | 93.1 | | 60 - 130 | | |
| Methyl parathion | BXH1764-BS1 | LCS | 0.64000 | 0.80000 | ug/L | 80.0 | | 60 - 120 | | |
| Mevinphos | BXH1764-BS1 | LCS | 0.63500 | 0.80000 | ug/L | 79.4 | | 50 - 120 | | |
| Ronnel (Fenchlorphos) | BXH1764-BS1 | LCS | 0.67500 | 0.80000 | ug/L | 84.4 | | 50 - 120 | | |
| Stirophos (Tetrachlorvinphos) | BXH1764-BS1 | LCS | 0.72500 | 0.80000 | ug/L | 90.6 | | 50 - 120 | | |
| Triphenylphosphate (Surrogate) | BXH1764-BS1 | LCS | 2.4000 | 2.5000 | ug/L | 96.0 | | 50 - 140 | | |

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**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141B)

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1764** | Used client sample: N | | | | | | | | | | |
| Bolstar | MS | 1416132-77 | ND | 0.58500 | 0.80000 | ug/L | | 73.1 | | 60 - 120 | |
| | MSD | 1416132-77 | ND | 0.59000 | 0.80000 | ug/L | 0.9 | 73.8 | 30 | 60 - 120 | |
| Chlorpyrifos | MS | 1416132-77 | ND | 0.74000 | 0.80000 | ug/L | | 92.5 | | 60 - 120 | |
| | MSD | 1416132-77 | ND | 0.71000 | 0.80000 | ug/L | 4.1 | 88.8 | 30 | 60 - 120 | |
| Diazinon | MS | 1416132-77 | ND | 0.75500 | 0.80000 | ug/L | | 94.4 | | 60 - 130 | |
| | MSD | 1416132-77 | ND | 0.74000 | 0.80000 | ug/L | 2.0 | 92.5 | 30 | 60 - 130 | |
| Methyl parathion | MS | 1416132-77 | ND | 0.68000 | 0.80000 | ug/L | | 85.0 | | 60 - 120 | |
| | MSD | 1416132-77 | ND | 0.65500 | 0.80000 | ug/L | 3.7 | 81.9 | 30 | 60 - 120 | |
| Mevinphos | MS | 1416132-77 | ND | 0.66500 | 0.80000 | ug/L | | 83.1 | | 50 - 120 | |
| | MSD | 1416132-77 | ND | 0.64500 | 0.80000 | ug/L | 3.1 | 80.6 | 30 | 50 - 120 | |
| Ronnel (Fenchlorphos) | MS | 1416132-77 | ND | 0.70000 | 0.80000 | ug/L | | 87.5 | | 50 - 120 | |
| | MSD | 1416132-77 | ND | 0.67000 | 0.80000 | ug/L | 4.4 | 83.8 | 30 | 50 - 120 | |
| Stirophos (Tetrachlorvinphos) | MS | 1416132-77 | ND | 0.78500 | 0.80000 | ug/L | | 98.1 | | 50 - 120 | |
| | MSD | 1416132-77 | ND | 0.77500 | 0.80000 | ug/L | 1.3 | 96.9 | 30 | 50 - 120 | |
| Triphenylphosphate (Surrogate) | MS | 1416132-77 | ND | 2.5250 | 2.5000 | ug/L | | 101 | | 50 - 140 | |
| | MSD | 1416132-77 | ND | 2.4500 | 2.5000 | ug/L | 3.0 | 98.0 | | 50 - 140 | |

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| | |
|---|---|
| Geologic Associates<br>1831 Commercenter East<br>San Bernardino, CA 92408 | **Reported:** 09/02/2014 13:24<br>Project: Rialto Perchlorate Investigaton<br>Project Number: 2013.0100<br>Project Manager: Jason Sapp |

# Chlorinated Herbicides (EPA Method 8151A)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1891** | | | | | | |
| 2,4-D | BXH1891-BLK1 | ND | ug/L | 0.40 | 0.065 | |
| 2,4-DB | BXH1891-BLK1 | ND | ug/L | 3.0 | 0.32 | |
| Dalapon | BXH1891-BLK1 | ND | ug/L | 10 | 2.4 | |
| Dicamba | BXH1891-BLK1 | ND | ug/L | 0.080 | 0.037 | |
| Dichloroprop | BXH1891-BLK1 | ND | ug/L | 0.50 | 0.012 | |
| Dinoseb | BXH1891-BLK1 | ND | ug/L | 0.20 | 0.040 | |
| 2,4,5-T | BXH1891-BLK1 | ND | ug/L | 0.090 | 0.012 | |
| 2,4,5-TP (Silvex) | BXH1891-BLK1 | ND | ug/L | 0.070 | 0.016 | |
| **2,4-Dichlorophenylacetic acid (Surrogate)** | **BXH1891-BLK1** | **63.0** | % | **30 - 140 (LCL - UCL)** | | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Chlorinated Herbicides (EPA Method 8151A)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1891** | | | | | | | | | | |
| 2,4-D | BXH1891-BS1 | LCS | 2.0300 | 2.4000 | ug/L | 84.6 | | 60 - 130 | | |
| 2,4-DB | BXH1891-BS1 | LCS | 5.0700 | 5.4000 | ug/L | 93.9 | | 60 - 130 | | |
| Dicamba | BXH1891-BS1 | LCS | 0.51000 | 0.60000 | ug/L | 85.0 | | 50 - 120 | | |
| Dichloroprop | BXH1891-BS1 | LCS | 2.7500 | 2.4000 | ug/L | 115 | | 50 - 120 | | |
| Dinoseb | BXH1891-BS1 | LCS | 0.73000 | 1.2000 | ug/L | 60.8 | | 40 - 120 | | |
| 2,4,5-T | BXH1891-BS1 | LCS | 0.43000 | 0.60000 | ug/L | 71.7 | | 60 - 130 | | |
| 2,4,5-TP (Silvex) | BXH1891-BS1 | LCS | 0.52000 | 0.60000 | ug/L | 86.7 | | 50 - 130 | | |
| 2,4-Dichlorophenylacetic acid (Surrogate) | BXH1891-BS1 | LCS | 2.3100 | 4.0000 | ug/L | 57.8 | | 30 - 140 | | |

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Project Number: 2013.0100
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# Chlorinated Herbicides (EPA Method 8151A)

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1891** | Used client sample: N | | | | | | | | | | |
| 2,4-D | MS | 1416132-94 | ND | 1.9200 | 2.4000 | ug/L | | 80.0 | | 50 - 130 | |
| | MSD | 1416132-94 | ND | 1.9700 | 2.4000 | ug/L | 2.6 | 82.1 | 30 | 50 - 130 | |
| 2,4-DB | MS | 1416132-94 | ND | 5.1000 | 5.4000 | ug/L | | 94.4 | | 60 - 130 | |
| | MSD | 1416132-94 | ND | 5.1800 | 5.4000 | ug/L | 1.6 | 95.9 | 30 | 60 - 130 | |
| Dicamba | MS | 1416132-94 | ND | 0.44000 | 0.60000 | ug/L | | 73.3 | | 50 - 120 | |
| | MSD | 1416132-94 | ND | 0.46000 | 0.60000 | ug/L | 4.4 | 76.7 | 30 | 50 - 120 | |
| Dichloroprop | MS | 1416132-94 | ND | 2.6800 | 2.4000 | ug/L | | 112 | | 50 - 120 | |
| | MSD | 1416132-94 | ND | 2.1800 | 2.4000 | ug/L | 20.6 | 90.8 | 30 | 50 - 120 | |
| Dinoseb | MS | 1416132-94 | ND | 0.73000 | 1.2000 | ug/L | | 60.8 | | 40 - 120 | |
| | MSD | 1416132-94 | ND | 0.64000 | 1.2000 | ug/L | 13.1 | 53.3 | 30 | 40 - 120 | |
| 2,4,5-T | MS | 1416132-94 | ND | 0.45000 | 0.60000 | ug/L | | 75.0 | | 60 - 130 | |
| | MSD | 1416132-94 | ND | 0.44000 | 0.60000 | ug/L | 2.2 | 73.3 | 30 | 60 - 130 | |
| 2,4,5-TP (Silvex) | MS | 1416132-94 | ND | 0.53000 | 0.60000 | ug/L | | 88.3 | | 50 - 130 | |
| | MSD | 1416132-94 | ND | 0.49000 | 0.60000 | ug/L | 7.8 | 81.7 | 30 | 50 - 130 | |
| 2,4-Dichlorophenylacetic acid (Surrogate | MS | 1416132-94 | ND | 2.4000 | 4.0000 | ug/L | | 60.0 | | 30 - 140 | |
| | MSD | 1416132-94 | ND | 2.1600 | 4.0000 | ug/L | 10.5 | 54.0 | | 30 - 140 | |

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**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1768** | | | | | | |
| Acenaphthene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.24 | |
| Acenaphthylene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.28 | |
| Aldrin | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.35 | |
| Aniline | BXH1768-BLK1 | ND | ug/L | 5.0 | 0.69 | |
| Anthracene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.30 | |
| Benzidine | BXH1768-BLK1 | ND | ug/L | 20 | 7.1 | |
| Benzo[a]anthracene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.38 | |
| Benzo[b]fluoranthene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.41 | |
| Benzo[k]fluoranthene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.31 | |
| Benzo[a]pyrene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.20 | |
| Benzo[g,h,i]perylene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.22 | |
| Benzoic acid | BXH1768-BLK1 | ND | ug/L | 10 | 5.8 | |
| Benzyl alcohol | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.34 | |
| Benzyl butyl phthalate | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.47 | |
| alpha-BHC | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.27 | |
| beta-BHC | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.27 | |
| delta-BHC | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.30 | |
| gamma-BHC (Lindane) | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.22 | |
| bis(2-Chloroethoxy)methane | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.27 | |
| bis(2-Chloroethyl) ether | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.68 | |
| bis(2-Chloroisopropyl)ether | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.30 | |
| bis(2-Ethylhexyl)phthalate | BXH1768-BLK1 | ND | ug/L | 5.0 | 3.0 | |
| 4-Bromophenyl phenyl ether | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.23 | |
| 4-Chloroaniline | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.69 | |
| 2-Chloronaphthalene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.34 | |
| 4-Chlorophenyl phenyl ether | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.23 | |
| Chrysene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.63 | |
| 4,4'-DDD | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.48 | |
| 4,4'-DDE | BXH1768-BLK1 | ND | ug/L | 3.0 | 0.41 | |
| 4,4'-DDT | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.43 | |
| Dibenzo[a,h]anthracene | BXH1768-BLK1 | ND | ug/L | 3.0 | 0.26 | |
| Dibenzofuran | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.21 | |
| 1,2-Dichlorobenzene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.37 | |
| 1,3-Dichlorobenzene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.35 | |

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**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1768** | | | | | | |
| 1,4-Dichlorobenzene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.31 | |
| 3,3-Dichlorobenzidine | BXH1768-BLK1 | ND | ug/L | 10 | 8.2 | |
| Dieldrin | BXH1768-BLK1 | ND | ug/L | 3.0 | 0.41 | |
| Diethyl phthalate | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.33 | |
| Dimethyl phthalate | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.39 | |
| Di-n-butyl phthalate | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.39 | |
| 2,4-Dinitrotoluene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.26 | |
| 2,6-Dinitrotoluene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.41 | |
| Di-n-octyl phthalate | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.46 | |
| 1,2-Diphenylhydrazine | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.34 | |
| Endosulfan I | BXH1768-BLK1 | ND | ug/L | 10 | 1.7 | |
| Endosulfan II | BXH1768-BLK1 | ND | ug/L | 10 | 1.2 | |
| Endosulfan sulfate | BXH1768-BLK1 | ND | ug/L | 3.0 | 0.58 | |
| Endrin | BXH1768-BLK1 | ND | ug/L | 2.0 | 1.1 | |
| Endrin aldehyde | BXH1768-BLK1 | ND | ug/L | 10 | 0.52 | |
| Fluoranthene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.20 | |
| Fluorene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.28 | |
| Heptachlor | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.32 | |
| Heptachlor epoxide | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.27 | |
| Hexachlorobenzene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.20 | |
| Hexachlorobutadiene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.24 | |
| Hexachlorocyclopentadiene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.30 | |
| Hexachloroethane | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.32 | |
| Indeno[1,2,3-cd]pyrene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.26 | |
| Isophorone | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.31 | |
| 2-Methylnaphthalene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.28 | |
| Naphthalene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.21 | |
| 2-Naphthylamine | BXH1768-BLK1 | ND | ug/L | 20 | 4.8 | |
| 2-Nitroaniline | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.33 | |
| 3-Nitroaniline | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.66 | |
| 4-Nitroaniline | BXH1768-BLK1 | ND | ug/L | 5.0 | 0.87 | |
| Nitrobenzene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.26 | |
| N-Nitrosodimethylamine | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.61 | |
| N-Nitrosodi-N-propylamine | BXH1768-BLK1 | ND | ug/L | 2.0 | 1.3 | |

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# Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1768** | | | | | | |
| N-Nitrosodiphenylamine | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.44 | |
| Phenanthrene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.20 | |
| Pyrene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.26 | |
| 1,2,4-Trichlorobenzene | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.27 | |
| 4-Chloro-3-methylphenol | BXH1768-BLK1 | ND | ug/L | 5.0 | 0.40 | |
| 2-Chlorophenol | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.37 | |
| 2,4-Dichlorophenol | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.43 | |
| 2,4-Dimethylphenol | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.20 | |
| 4,6-Dinitro-2-methylphenol | BXH1768-BLK1 | ND | ug/L | 10 | 0.34 | |
| 2,4-Dinitrophenol | BXH1768-BLK1 | ND | ug/L | 10 | 0.20 | |
| 2-Methylphenol | BXH1768-BLK1 | ND | ug/L | 2.0 | 1.0 | |
| 3- & 4-Methylphenol | BXH1768-BLK1 | ND | ug/L | 2.0 | 1.6 | |
| 2-Nitrophenol | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.28 | |
| 4-Nitrophenol | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.73 | |
| Pentachlorophenol | BXH1768-BLK1 | ND | ug/L | 10 | 0.79 | |
| Phenol | BXH1768-BLK1 | ND | ug/L | 2.0 | 0.20 | |
| 2,4,5-Trichlorophenol | BXH1768-BLK1 | ND | ug/L | 5.0 | 0.31 | |
| 2,4,6-Trichlorophenol | BXH1768-BLK1 | ND | ug/L | 5.0 | 0.60 | |
| **2-Fluorophenol (Surrogate)** | **BXH1768-BLK1** | **58.9** | % | **30 - 120 (LCL - UCL)** | | |
| **Phenol-d5 (Surrogate)** | **BXH1768-BLK1** | **41.4** | % | **12 - 110 (LCL - UCL)** | | |
| **Nitrobenzene-d5 (Surrogate)** | **BXH1768-BLK1** | **90.5** | % | **60 - 130 (LCL - UCL)** | | |
| **2-Fluorobiphenyl (Surrogate)** | **BXH1768-BLK1** | **76.6** | % | **55 - 125 (LCL - UCL)** | | |
| **2,4,6-Tribromophenol (Surrogate)** | **BXH1768-BLK1** | **90.3** | % | **40 - 150 (LCL - UCL)** | | |
| **p-Terphenyl-d14 (Surrogate)** | **BXH1768-BLK1** | **85.7** | % | **40 - 150 (LCL - UCL)** | | |

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# Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1768** | | | | | | | | | | |
| Acenaphthene | BXH1768-BS1 | LCS | 44.070 | 50.000 | ug/L | 88.1 | | 50 - 120 | | |
| 1,4-Dichlorobenzene | BXH1768-BS1 | LCS | 37.730 | 50.000 | ug/L | 75.5 | | 50 - 120 | | |
| 2,4-Dinitrotoluene | BXH1768-BS1 | LCS | 44.170 | 50.000 | ug/L | 88.3 | | 50 - 120 | | |
| Hexachlorobenzene | BXH1768-BS1 | LCS | 35.660 | 50.000 | ug/L | 71.3 | | 60 - 120 | | |
| Hexachlorobutadiene | BXH1768-BS1 | LCS | 27.570 | 50.000 | ug/L | 55.1 | | 40 - 110 | | |
| Hexachloroethane | BXH1768-BS1 | LCS | 34.130 | 50.000 | ug/L | 68.3 | | 40 - 120 | | |
| Nitrobenzene | BXH1768-BS1 | LCS | 37.590 | 50.000 | ug/L | 75.2 | | 50 - 120 | | |
| N-Nitrosodi-N-propylamine | BXH1768-BS1 | LCS | 39.010 | 50.000 | ug/L | 78.0 | | 50 - 120 | | |
| Pyrene | BXH1768-BS1 | LCS | 48.060 | 50.000 | ug/L | 96.1 | | 40 - 140 | | |
| 1,2,4-Trichlorobenzene | BXH1768-BS1 | LCS | 34.140 | 50.000 | ug/L | 68.3 | | 45 - 120 | | |
| 4-Chloro-3-methylphenol | BXH1768-BS1 | LCS | 48.300 | 50.000 | ug/L | 96.6 | | 50 - 120 | | |
| 2-Chlorophenol | BXH1768-BS1 | LCS | 41.660 | 50.000 | ug/L | 83.3 | | 50 - 120 | | |
| 2-Methylphenol | BXH1768-BS1 | LCS | 40.900 | 50.000 | ug/L | 81.8 | | 40 - 110 | | |
| 3- & 4-Methylphenol | BXH1768-BS1 | LCS | 71.730 | 100.00 | ug/L | 71.7 | | 40 - 110 | | |
| 4-Nitrophenol | BXH1768-BS1 | LCS | 30.530 | 50.000 | ug/L | 61.1 | | 10 - 110 | | |
| Pentachlorophenol | BXH1768-BS1 | LCS | 44.160 | 50.000 | ug/L | 88.3 | | 30 - 120 | | |
| Phenol | BXH1768-BS1 | LCS | 20.340 | 50.000 | ug/L | 40.7 | | 20 - 110 | | |
| 2,4,6-Trichlorophenol | BXH1768-BS1 | LCS | 46.310 | 50.000 | ug/L | 92.6 | | 54 - 120 | | |
| 2-Fluorophenol (Surrogate) | BXH1768-BS1 | LCS | 44.410 | 80.000 | ug/L | 55.5 | | 30 - 120 | | |
| Phenol-d5 (Surrogate) | BXH1768-BS1 | LCS | 31.190 | 80.000 | ug/L | 39.0 | | 12 - 110 | | |
| Nitrobenzene-d5 (Surrogate) | BXH1768-BS1 | LCS | 67.720 | 80.000 | ug/L | 84.6 | | 60 - 130 | | |
| 2-Fluorobiphenyl (Surrogate) | BXH1768-BS1 | LCS | 59.360 | 80.000 | ug/L | 74.2 | | 55 - 125 | | |
| 2,4,6-Tribromophenol (Surrogate) | BXH1768-BS1 | LCS | 75.040 | 80.000 | ug/L | 93.8 | | 40 - 150 | | |
| p-Terphenyl-d14 (Surrogate) | BXH1768-BS1 | LCS | 33.980 | 40.000 | ug/L | 85.0 | | 40 - 150 | | |

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# Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1768** | Used client sample: N | | | | | | | | | | |
| Acenaphthene | MS | 1416132-58 | ND | 41.907 | 50.000 | ug/L | | 83.8 | | 50 - 120 | |
| | MSD | 1416132-58 | ND | 47.393 | 50.000 | ug/L | 12.3 | 94.8 | 30 | 50 - 120 | |
| 1,4-Dichlorobenzene | MS | 1416132-58 | ND | 37.858 | 50.000 | ug/L | | 75.7 | | 47 - 120 | |
| | MSD | 1416132-58 | ND | 42.003 | 50.000 | ug/L | 10.4 | 84.0 | 30 | 47 - 120 | |
| 2,4-Dinitrotoluene | MS | 1416132-58 | ND | 47.352 | 50.000 | ug/L | | 94.7 | | 50 - 130 | |
| | MSD | 1416132-58 | ND | 51.078 | 50.000 | ug/L | 7.6 | 102 | 30 | 50 - 130 | |
| Hexachlorobenzene | MS | 1416132-58 | ND | 36.511 | 50.000 | ug/L | | 73.0 | | 62 - 120 | |
| | MSD | 1416132-58 | ND | 41.248 | 50.000 | ug/L | 12.2 | 82.5 | 30 | 62 - 120 | |
| Hexachlorobutadiene | MS | 1416132-58 | ND | 28.017 | 50.000 | ug/L | | 56.0 | | 40 - 110 | |
| | MSD | 1416132-58 | ND | 31.919 | 50.000 | ug/L | 13.0 | 63.8 | 30 | 40 - 110 | |
| Hexachloroethane | MS | 1416132-58 | ND | 35.066 | 50.000 | ug/L | | 70.1 | | 40 - 120 | |
| | MSD | 1416132-58 | ND | 37.211 | 50.000 | ug/L | 5.9 | 74.4 | 30 | 40 - 120 | |
| Nitrobenzene | MS | 1416132-58 | ND | 37.600 | 50.000 | ug/L | | 75.2 | | 50 - 120 | |
| | MSD | 1416132-58 | ND | 42.816 | 50.000 | ug/L | 13.0 | 85.6 | 30 | 50 - 120 | |
| **N-Nitrosodi-N-propylamine** | MS | **1416132-58** | **ND** | **40.917** | **50.000** | **ug/L** | | **81.8** | | **50 - 120** | |
| | MSD | **1416132-58** | **ND** | **62.171** | **50.000** | **ug/L** | **41.2** | **124** | **30** | **50 - 120** | **Q02,Q03** |
| Pyrene | MS | 1416132-58 | ND | 49.144 | 50.000 | ug/L | | 98.3 | | 40 - 140 | |
| | MSD | 1416132-58 | ND | 55.409 | 50.000 | ug/L | 12.0 | 111 | 30 | 40 - 140 | |
| 1,2,4-Trichlorobenzene | MS | 1416132-58 | ND | 34.729 | 50.000 | ug/L | | 69.5 | | 43 - 120 | |
| | MSD | 1416132-58 | ND | 37.965 | 50.000 | ug/L | 8.9 | 75.9 | 30 | 43 - 120 | |
| 4-Chloro-3-methylphenol | MS | 1416132-58 | ND | 50.648 | 50.000 | ug/L | | 101 | | 50 - 120 | |
| | MSD | 1416132-58 | ND | 57.791 | 50.000 | ug/L | 13.2 | 116 | 30 | 50 - 120 | |
| 2-Chlorophenol | MS | 1416132-58 | ND | 43.441 | 50.000 | ug/L | | 86.9 | | 50 - 120 | |
| | MSD | 1416132-58 | ND | 46.266 | 50.000 | ug/L | 6.3 | 92.5 | 30 | 50 - 120 | |
| 2-Methylphenol | MS | 1416132-58 | ND | 43.788 | 50.000 | ug/L | | 87.6 | | 40 - 110 | |
| | MSD | 1416132-58 | ND | 45.697 | 50.000 | ug/L | 4.3 | 91.4 | 30 | 40 - 110 | |
| 3- & 4-Methylphenol | MS | 1416132-58 | ND | 78.368 | 100.00 | ug/L | | 78.4 | | 40 - 110 | |
| | MSD | 1416132-58 | ND | 85.574 | 100.00 | ug/L | 8.8 | 85.6 | 30 | 40 - 110 | |
| 4-Nitrophenol | MS | 1416132-58 | ND | 30.502 | 50.000 | ug/L | | 61.0 | | 10 - 110 | |
| | MSD | 1416132-58 | ND | 34.261 | 50.000 | ug/L | 11.6 | 68.5 | 30 | 10 - 110 | |
| Pentachlorophenol | MS | 1416132-58 | ND | 49.965 | 50.000 | ug/L | | 99.9 | | 30 - 120 | |
| | MSD | 1416132-58 | ND | 52.773 | 50.000 | ug/L | 5.5 | 106 | 30 | 30 - 120 | |
| Phenol | MS | 1416132-58 | ND | 21.434 | 50.000 | ug/L | | 42.9 | | 20 - 110 | |
| | MSD | 1416132-58 | ND | 23.971 | 50.000 | ug/L | 11.2 | 47.9 | 30 | 20 - 110 | |
| 2,4,6-Trichlorophenol | MS | 1416132-58 | ND | 46.926 | 50.000 | ug/L | | 93.9 | | 50 - 120 | |
| | MSD | 1416132-58 | ND | 52.156 | 50.000 | ug/L | 10.6 | 104 | 30 | 50 - 120 | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1768** | Used client sample: N | | | | | | | | | | |
| 2-Fluorophenol (Surrogate) | MS | 1416132-58 | ND | 45.778 | 80.000 | ug/L | | 57.2 | | 30 - 120 | |
| | MSD | 1416132-58 | ND | 48.461 | 80.000 | ug/L | 5.7 | 60.6 | | 30 - 120 | |
| Phenol-d5 (Surrogate) | MS | 1416132-58 | ND | 32.967 | 80.000 | ug/L | | 41.2 | | 12 - 110 | |
| | MSD | 1416132-58 | ND | 35.515 | 80.000 | ug/L | 7.4 | 44.4 | | 12 - 110 | |
| Nitrobenzene-d5 (Surrogate) | MS | 1416132-58 | ND | 68.211 | 80.000 | ug/L | | 85.3 | | 60 - 130 | |
| | MSD | 1416132-58 | ND | 77.606 | 80.000 | ug/L | 12.9 | 97.0 | | 60 - 130 | |
| 2-Fluorobiphenyl (Surrogate) | MS | 1416132-58 | ND | 62.558 | 80.000 | ug/L | | 78.2 | | 55 - 125 | |
| | MSD | 1416132-58 | ND | 68.394 | 80.000 | ug/L | 8.9 | 85.5 | | 55 - 125 | |
| 2,4,6-Tribromophenol (Surrogate) | MS | 1416132-58 | ND | 76.270 | 80.000 | ug/L | | 95.3 | | 40 - 150 | |
| | MSD | 1416132-58 | ND | 87.592 | 80.000 | ug/L | 13.8 | 109 | | 40 - 150 | |
| p-Terphenyl-d14 (Surrogate) | MS | 1416132-58 | ND | 35.204 | 40.000 | ug/L | | 88.0 | | 40 - 150 | |
| | MSD | 1416132-58 | ND | 38.730 | 40.000 | ug/L | 9.5 | 96.8 | | 40 - 150 | |

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| | |
|---|---|
| Geologic Associates<br>1831 Commercenter East<br>San Bernardino, CA 92408 | **Reported:** 09/02/2014 13:24<br>Project: Rialto Perchlorate Investigaton<br>Project Number: 2013.0100<br>Project Manager: Jason Sapp |

# NDMA (EPA Method 8270C-SIM)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH2542** | | | | | | |
| N-Nitrosodimethylamine | BXH2542-BLK1 | ND | ug/L | 0.010 | 0.0030 | |
| **Naphthalene-d8 (Surrogate)** | **BXH2542-BLK1** | **82.9** | % | **65 - 142 (LCL - UCL)** | | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# NDMA (EPA Method 8270C-SIM)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH2542** | | | | | | | | | | |
| N-Nitrosodimethylamine | BXH2542-BS1 | LCS | 0.68310 | 0.40000 | ug/L | 171 | | 67 - 119 | | L01 |
| Naphthalene-d8 (Surrogate) | BXH2542-BS1 | LCS | 0.63360 | 0.80000 | ug/L | 79.2 | | 65 - 142 | | |

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San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# NDMA (EPA Method 8270C-SIM)

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH2542** | Used client sample: N | | | | | | | | | | |
| **N-Nitrosodimethylamine** | MS | **1416132-79** | **ND** | **0.64680** | **0.40000** | **ug/L** | | **162** | | **56 - 118** | **Q03** |
| | MSD | **1416132-79** | **ND** | **0.70560** | **0.40000** | **ug/L** | **8.7** | **176** | **22** | **56 - 118** | **Q03** |
| Naphthalene-d8 (Surrogate) | MS | 1416132-79 | ND | 0.65660 | 0.80000 | ug/L | | 82.1 | | 65 - 142 | |
| | MSD | 1416132-79 | ND | 0.85260 | 0.80000 | ug/L | 26.0 | 107 | | 65 - 142 | |

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**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1078** | | | | | | |
| **Chloride** | **BXH1078-BLK1** | **0.11800** | **mg/L** | **0.50** | **0.067** | **J** |
| Nitrate as N | BXH1078-BLK1 | ND | mg/L | 0.10 | 0.025 | |
| Sulfate | BXH1078-BLK1 | ND | mg/L | 1.0 | 0.18 | |
| **QC Batch ID: BXH1104** | | | | | | |
| MBAS | BXH1104-BLK1 | ND | mg/L | 0.10 | 0.015 | |
| **QC Batch ID: BXH1111** | | | | | | |
| Hydroxide | BXH1111-BLK1 | ND | mg/L | 1.4 | 1.4 | |
| Total Alkalinity as CaCO3 | BXH1111-BLK1 | ND | mg/L | 4.1 | 4.1 | |
| **QC Batch ID: BXH1166** | | | | | | |
| Dissolved Hardness as CaCO3 | BXH1166-BLK1 | ND | mg/L | 0.50 | 0.10 | |
| **QC Batch ID: BXH1293** | | | | | | |
| Total Dissolved Solids @ 180 C | BXH1293-BLK1 | ND | mg/L | 6.7 | 6.7 | |
| **QC Batch ID: BXH1312** | | | | | | |
| **Dissolved Calcium** | **BXH1312-BLK1** | **0.023611** | **mg/L** | **0.10** | **0.016** | **J** |
| Dissolved Magnesium | BXH1312-BLK1 | ND | mg/L | 0.050 | 0.019 | |
| Dissolved Sodium | BXH1312-BLK1 | ND | mg/L | 0.50 | 0.051 | |
| Dissolved Potassium | BXH1312-BLK1 | ND | mg/L | 1.0 | 0.10 | |
| **QC Batch ID: BXH2979** | | | | | | |
| Perchlorate | BXH2979-BLK1 | ND | ug/L | 4.0 | 0.45 | |

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**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1078** | | | | | | | | | | |
| Chloride | BXH1078-BS1 | LCS | 54.172 | 50.000 | mg/L | 108 | | 90 - 110 | | |
| Nitrate as N | BXH1078-BS1 | LCS | 5.3340 | 5.0000 | mg/L | 107 | | 90 - 110 | | |
| Sulfate | BXH1078-BS1 | LCS | 108.47 | 100.00 | mg/L | 108 | | 90 - 110 | | |
| **QC Batch ID: BXH1104** | | | | | | | | | | |
| MBAS | BXH1104-BS1 | LCS | 0.18620 | 0.20000 | mg/L | 93.1 | | 85 - 115 | | |
| **QC Batch ID: BXH1111** | | | | | | | | | | |
| Total Alkalinity as CaCO3 | BXH1111-BS3 | LCS | 101.47 | 100.00 | mg/L | 101 | | 90 - 110 | | |
| **QC Batch ID: BXH1293** | | | | | | | | | | |
| Total Dissolved Solids @ 180 C | BXH1293-BS1 | LCS | 600.00 | 586.00 | mg/L | 102 | | 90 - 110 | | |
| **QC Batch ID: BXH1312** | | | | | | | | | | |
| Dissolved Calcium | BXH1312-BS1 | LCS | 10.232 | 10.000 | mg/L | 102 | | 85 - 115 | | |
| Dissolved Magnesium | BXH1312-BS1 | LCS | 10.347 | 10.000 | mg/L | 103 | | 85 - 115 | | |
| Dissolved Sodium | BXH1312-BS1 | LCS | 9.6304 | 10.000 | mg/L | 96.3 | | 85 - 115 | | |
| Dissolved Potassium | BXH1312-BS1 | LCS | 8.7484 | 10.000 | mg/L | 87.5 | | 85 - 115 | | |
| **QC Batch ID: BXH2979** | | | | | | | | | | |
| Perchlorate | BXH2979-BS1 | LCS | 10.220 | 10.000 | ug/L | 102 | | 85 - 115 | | |

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**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1078** | Used client sample: N | | | | | | | | | | |
| Chloride | DUP | 1418465-01 | 0.78500 | 0.75300 | | mg/L | 4.2 | | 10 | | |
| | MS | 1418465-01 | 0.78500 | 56.006 | 50.505 | mg/L | | 109 | | 80 - 120 | |
| | MSD | 1418465-01 | 0.78500 | 56.113 | 50.505 | mg/L | 0.2 | 110 | 10 | 80 - 120 | |
| **Nitrate as N** | DUP | **1418465-01** | **0.047000** | **0.052000** | | **mg/L** | **10.1** | | **10** | | **J,A02** |
| | MS | **1418465-01** | **0.047000** | **5.4960** | **5.0505** | **mg/L** | | **108** | | **80 - 120** | |
| | MSD | **1418465-01** | **0.047000** | **5.5333** | **5.0505** | **mg/L** | **0.7** | **109** | **10** | **80 - 120** | |
| Sulfate | DUP | 1418465-01 | 0.46600 | 0.47600 | | mg/L | 2.1 | | 10 | | J |
| | MS | 1418465-01 | 0.46600 | 111.31 | 101.01 | mg/L | | 110 | | 80 - 120 | |
| | MSD | 1418465-01 | 0.46600 | 111.69 | 101.01 | mg/L | 0.3 | 110 | 10 | 80 - 120 | |
| **QC Batch ID: BXH1104** | Used client sample: N | | | | | | | | | | |
| MBAS | DUP | 1418481-01 | ND | ND | | mg/L | | | 20 | | |
| | MS | 1418481-01 | ND | 0.38580 | 0.40000 | mg/L | | 96.4 | | 80 - 120 | |
| | MSD | 1418481-01 | ND | 0.39040 | 0.40000 | mg/L | 1.2 | 97.6 | 20 | 80 - 120 | |
| **QC Batch ID: BXH1111** | Used client sample: Y - Description: N10-4, 08/11/2014 11:30 | | | | | | | | | | |
| Hydroxide | DUP | 1418489-03 | ND | ND | | mg/L | | | 10 | | |
| Total Alkalinity as CaCO3 | DUP | 1418489-03 | 165.37 | 165.37 | | mg/L | 0 | | 10 | | |
| **QC Batch ID: BXH1293** | Used client sample: N | | | | | | | | | | |
| Total Dissolved Solids @ 180 C | DUP | 1418283-01 | 1480.0 | 1500.0 | | mg/L | 1.3 | | 10 | | |
| **QC Batch ID: BXH1312** | Used client sample: N | | | | | | | | | | |
| Dissolved Calcium | DUP | 1418372-01 | 19.926 | 20.454 | | mg/L | 2.6 | | 20 | | |
| | MS | 1418372-01 | 19.926 | 29.938 | 10.204 | mg/L | | 98.1 | | 75 - 125 | |
| | MSD | 1418372-01 | 19.926 | 31.213 | 10.204 | mg/L | 4.2 | 111 | 20 | 75 - 125 | |
| Dissolved Magnesium | DUP | 1418372-01 | 4.2814 | 4.2794 | | mg/L | 0.0 | | 20 | | |
| | MS | 1418372-01 | 4.2814 | 14.559 | 10.204 | mg/L | | 101 | | 75 - 125 | |
| | MSD | 1418372-01 | 4.2814 | 14.676 | 10.204 | mg/L | 0.8 | 102 | 20 | 75 - 125 | |
| **Dissolved Sodium** | DUP | **1418372-01** | **157.50** | **158.92** | | **mg/L** | **0.9** | | **20** | | |
| | MS | **1418372-01** | **157.50** | **158.12** | **10.204** | **mg/L** | | **6.1** | | **75 - 125** | **A03** |
| | MSD | **1418372-01** | **157.50** | **166.95** | **10.204** | **mg/L** | **5.4** | **92.6** | **20** | **75 - 125** | |
| Dissolved Potassium | DUP | 1418372-01 | 0.70107 | 0.63664 | | mg/L | 9.6 | | 20 | | J |
| | MS | 1418372-01 | 0.70107 | 11.709 | 10.204 | mg/L | | 108 | | 75 - 125 | |
| | MSD | 1418372-01 | 0.70107 | 11.897 | 10.204 | mg/L | 1.6 | 110 | 20 | 75 - 125 | |
| **QC Batch ID: BXH2979** | Used client sample: Y - Description: Effluent, 08/13/2014 08:11 | | | | | | | | | | |
| Perchlorate | DUP | 1418651-01 | ND | ND | | ug/L | | | 15 | | |
| | MS | 1418651-01 | ND | 11.985 | 10.101 | ug/L | | 119 | | 80 - 120 | |
| | MSD | 1418651-01 | ND | 12.041 | 10.101 | ug/L | 0.5 | 119 | 15 | 80 - 120 | |

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1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Metals Analysis

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1259** | | | | | | |
| Dissolved Mercury | BXH1259-BLK1 | ND | ug/L | 0.20 | 0.024 | |
| **QC Batch ID: BXH1312** | | | | | | |
| **Dissolved Antimony** | **BXH1312-BLK1** | **6.2414** | **ug/L** | **100** | **4.9** | **J** |
| Dissolved Arsenic | BXH1312-BLK1 | ND | ug/L | 50 | 9.2 | |
| Dissolved Barium | BXH1312-BLK1 | ND | ug/L | 10 | 3.5 | |
| Dissolved Beryllium | BXH1312-BLK1 | ND | ug/L | 10 | 0.50 | |
| Dissolved Cadmium | BXH1312-BLK1 | ND | ug/L | 10 | 1.1 | |
| Dissolved Chromium | BXH1312-BLK1 | ND | ug/L | 10 | 1.0 | |
| Dissolved Cobalt | BXH1312-BLK1 | ND | ug/L | 50 | 1.1 | |
| Dissolved Copper | BXH1312-BLK1 | ND | ug/L | 10 | 1.0 | |
| Dissolved Lead | BXH1312-BLK1 | ND | ug/L | 50 | 3.5 | |
| Dissolved Molybdenum | BXH1312-BLK1 | ND | ug/L | 50 | 1.4 | |
| Dissolved Nickel | BXH1312-BLK1 | ND | ug/L | 10 | 2.4 | |
| Dissolved Selenium | BXH1312-BLK2 | ND | ug/L | 100 | 15 | |
| Dissolved Silver | BXH1312-BLK2 | ND | ug/L | 10 | 1.2 | |
| Dissolved Thallium | BXH1312-BLK1 | ND | ug/L | 100 | 10 | |
| Dissolved Vanadium | BXH1312-BLK1 | ND | ug/L | 10 | 2.2 | |
| Dissolved Zinc | BXH1312-BLK1 | ND | ug/L | 10 | 5.0 | |
| **QC Batch ID: BXH1331** | | | | | | |
| Dissolved Mercury | BXH1331-BLK1 | ND | ug/L | 0.20 | 0.033 | |

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Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Metals Analysis

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1259** | | | | | | | | | | |
| Dissolved Mercury | BXH1259-BS1 | LCS | 0.98750 | 1.0000 | ug/L | 98.8 | | 85 - 115 | | |
| **QC Batch ID: BXH1312** | | | | | | | | | | |
| Dissolved Antimony | BXH1312-BS1 | LCS | 395.49 | 400.00 | ug/L | 98.9 | | 85 - 115 | | |
| Dissolved Arsenic | BXH1312-BS1 | LCS | 208.29 | 200.00 | ug/L | 104 | | 85 - 115 | | |
| Dissolved Barium | BXH1312-BS1 | LCS | 423.49 | 400.00 | ug/L | 106 | | 85 - 115 | | |
| Dissolved Beryllium | BXH1312-BS1 | LCS | 203.76 | 200.00 | ug/L | 102 | | 85 - 115 | | |
| Dissolved Cadmium | BXH1312-BS1 | LCS | 212.26 | 200.00 | ug/L | 106 | | 85 - 115 | | |
| Dissolved Chromium | BXH1312-BS1 | LCS | 214.36 | 200.00 | ug/L | 107 | | 85 - 115 | | |
| Dissolved Cobalt | BXH1312-BS1 | LCS | 220.18 | 200.00 | ug/L | 110 | | 85 - 115 | | |
| Dissolved Copper | BXH1312-BS1 | LCS | 399.82 | 400.00 | ug/L | 100 | | 85 - 115 | | |
| Dissolved Lead | BXH1312-BS1 | LCS | 439.43 | 400.00 | ug/L | 110 | | 85 - 115 | | |
| Dissolved Molybdenum | BXH1312-BS1 | LCS | 210.92 | 200.00 | ug/L | 105 | | 85 - 115 | | |
| Dissolved Nickel | BXH1312-BS1 | LCS | 432.80 | 400.00 | ug/L | 108 | | 85 - 115 | | |
| Dissolved Selenium | BXH1312-BS2 | LCS | 218.28 | 200.00 | ug/L | 109 | | 85 - 115 | | |
| Dissolved Silver | BXH1312-BS2 | LCS | 104.74 | 100.00 | ug/L | 105 | | 85 - 115 | | |
| Dissolved Thallium | BXH1312-BS1 | LCS | 456.34 | 400.00 | ug/L | 114 | | 85 - 115 | | |
| Dissolved Vanadium | BXH1312-BS1 | LCS | 216.99 | 200.00 | ug/L | 108 | | 85 - 115 | | |
| Dissolved Zinc | BXH1312-BS1 | LCS | 554.08 | 500.00 | ug/L | 111 | | 85 - 115 | | |
| **QC Batch ID: BXH1331** | | | | | | | | | | |
| Dissolved Mercury | BXH1331-BS1 | LCS | 1.0950 | 1.0000 | ug/L | 110 | | 85 - 115 | | |

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**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Metals Analysis

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1259** | Used client sample: N | | | | | | | | | | |
| Dissolved Mercury | DUP | 1418494-02 | 0.41750 | 0.47500 | | ug/L | 12.9 | | 20 | | |
| | MS | 1418494-02 | 0.41750 | 1.4200 | 1.0000 | ug/L | | 100 | | 70 - 130 | |
| | MSD | 1418494-02 | 0.41750 | 1.4550 | 1.0000 | ug/L | 2.4 | 104 | 20 | 70 - 130 | |
| **QC Batch ID: BXH1312** | Used client sample: N | | | | | | | | | | |
| **Dissolved Antimony** | DUP | **1418372-01** | **7.3786** | **11.089** | | **ug/L** | **40.2** | | **20** | | **J,A02** |
| | MS | **1418372-01** | **7.3786** | **402.37** | **408.16** | **ug/L** | | **96.8** | | **75 - 125** | |
| | MSD | **1418372-01** | **7.3786** | **416.35** | **408.16** | **ug/L** | **3.4** | **100** | **20** | **75 - 125** | |
| **Dissolved Arsenic** | DUP | **1418372-01** | **21.293** | **29.033** | | **ug/L** | **30.8** | | **20** | | **J,A02** |
| | MS | **1418372-01** | **21.293** | **243.33** | **204.08** | **ug/L** | | **109** | | **75 - 125** | |
| | MSD | **1418372-01** | **21.293** | **228.74** | **204.08** | **ug/L** | **6.2** | **102** | **20** | **75 - 125** | |
| Dissolved Barium | DUP | 1418372-01 | 66.410 | 64.908 | | ug/L | 2.3 | | 20 | | |
| | MS | 1418372-01 | 66.410 | 492.26 | 408.16 | ug/L | | 104 | | 75 - 125 | |
| | MSD | 1418372-01 | 66.410 | 502.74 | 408.16 | ug/L | 2.1 | 107 | 20 | 75 - 125 | |
| Dissolved Beryllium | DUP | 1418372-01 | ND | ND | | ug/L | | | 20 | | |
| | MS | 1418372-01 | ND | 212.81 | 204.08 | ug/L | | 104 | | 75 - 125 | |
| | MSD | 1418372-01 | ND | 209.53 | 204.08 | ug/L | 1.6 | 103 | 20 | 75 - 125 | |
| Dissolved Cadmium | DUP | 1418372-01 | ND | ND | | ug/L | | | 20 | | |
| | MS | 1418372-01 | ND | 221.83 | 204.08 | ug/L | | 109 | | 75 - 125 | |
| | MSD | 1418372-01 | ND | 222.31 | 204.08 | ug/L | 0.2 | 109 | 20 | 75 - 125 | |
| Dissolved Chromium | DUP | 1418372-01 | ND | ND | | ug/L | | | 20 | | |
| | MS | 1418372-01 | ND | 208.54 | 204.08 | ug/L | | 102 | | 75 - 125 | |
| | MSD | 1418372-01 | ND | 210.03 | 204.08 | ug/L | 0.7 | 103 | 20 | 75 - 125 | |
| Dissolved Cobalt | DUP | 1418372-01 | ND | ND | | ug/L | | | 20 | | |
| | MS | 1418372-01 | ND | 221.61 | 204.08 | ug/L | | 109 | | 75 - 125 | |
| | MSD | 1418372-01 | ND | 222.36 | 204.08 | ug/L | 0.3 | 109 | 20 | 75 - 125 | |
| Dissolved Copper | DUP | 1418372-01 | ND | ND | | ug/L | | | 20 | | |
| | MS | 1418372-01 | ND | 409.22 | 408.16 | ug/L | | 100 | | 75 - 125 | |
| | MSD | 1418372-01 | ND | 412.34 | 408.16 | ug/L | 0.8 | 101 | 20 | 75 - 125 | |
| Dissolved Lead | DUP | 1418372-01 | ND | 6.9298 | | ug/L | | | 20 | | J |
| | MS | 1418372-01 | ND | 451.06 | 408.16 | ug/L | | 111 | | 75 - 125 | |
| | MSD | 1418372-01 | ND | 444.30 | 408.16 | ug/L | 1.5 | 109 | 20 | 75 - 125 | |
| **Dissolved Molybdenum** | DUP | **1418372-01** | **6.8454** | **8.7848** | | **ug/L** | **24.8** | | **20** | | **J,A02** |
| | MS | **1418372-01** | **6.8454** | **213.81** | **204.08** | **ug/L** | | **101** | | **75 - 125** | |
| | MSD | **1418372-01** | **6.8454** | **217.95** | **204.08** | **ug/L** | **1.9** | **103** | **20** | **75 - 125** | |
| Dissolved Nickel | DUP | 1418372-01 | ND | ND | | ug/L | | | 20 | | |
| | MS | 1418372-01 | ND | 444.60 | 408.16 | ug/L | | 109 | | 75 - 125 | |
| | MSD | 1418372-01 | ND | 444.07 | 408.16 | ug/L | 0.1 | 109 | 20 | 75 - 125 | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/02/2014 13:24
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Metals Analysis

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1312** | Used client sample: N | | | | | | | | | | |
| **Dissolved Selenium** | DUP | **1418372-01** | **78.078** | **63.711** | | **ug/L** | **20.3** | | **20** | | **J,A02** |
| | MS | **1418372-01** | **78.078** | **281.15** | **204.08** | **ug/L** | | **99.5** | | **75 - 125** | |
| | MSD | **1418372-01** | **78.078** | **308.73** | **204.08** | **ug/L** | **9.4** | **113** | **20** | **75 - 125** | |
| Dissolved Silver | DUP | 1418372-01 | 1.7152 | 1.7060 | | ug/L | 0.5 | | 20 | | J |
| | MS | 1418372-01 | 1.7152 | 103.11 | 102.04 | ug/L | | 99.4 | | 75 - 125 | |
| | MSD | 1418372-01 | 1.7152 | 106.85 | 102.04 | ug/L | 3.6 | 103 | 20 | 75 - 125 | |
| Dissolved Thallium | DUP | 1418372-01 | ND | ND | | ug/L | | | 20 | | |
| | MS | 1418372-01 | ND | 422.72 | 408.16 | ug/L | | 104 | | 75 - 125 | |
| | MSD | 1418372-01 | ND | 434.09 | 408.16 | ug/L | 2.7 | 106 | 20 | 75 - 125 | |
| Dissolved Vanadium | DUP | 1418372-01 | 13.788 | 14.781 | | ug/L | 7.0 | | 20 | | |
| | MS | 1418372-01 | 13.788 | 232.28 | 204.08 | ug/L | | 107 | | 75 - 125 | |
| | MSD | 1418372-01 | 13.788 | 232.15 | 204.08 | ug/L | 0.1 | 107 | 20 | 75 - 125 | |
| Dissolved Zinc | DUP | 1418372-01 | ND | ND | | ug/L | | | 20 | | |
| | MS | 1418372-01 | ND | 608.53 | 510.20 | ug/L | | 119 | | 75 - 125 | |
| | MSD | 1418372-01 | ND | 610.11 | 510.20 | ug/L | 0.3 | 120 | 20 | 75 - 125 | |
| **QC Batch ID: BXH1331** | Used client sample: N | | | | | | | | | | |
| Dissolved Mercury | DUP | 1418652-02 | ND | ND | | ug/L | | | 20 | | |
| | MS | 1418652-02 | ND | 1.0300 | 1.0000 | ug/L | | 103 | | 70 - 130 | |
| | MSD | 1418652-02 | ND | 0.95000 | 1.0000 | ug/L | 8.1 | 95.0 | 20 | 70 - 130 | |

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| | |
|---|---|
| Geologic Associates<br>1831 Commercenter East<br>San Bernardino, CA 92408 | **Reported:** 09/02/2014 13:24<br>Project: Rialto Perchlorate Investigaton<br>Project Number: 2013.0100<br>Project Manager: Jason Sapp |

## Notes And Definitions

| | |
|---|---|
| J | Estimated Value (CLP Flag) |
| MDL | Method Detection Limit |
| ND | Analyte Not Detected at or above the reporting limit |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| A02 | The difference between duplicate readings is less than the PQL. |
| A03 | The sample concentration is more than 4 times the spike level. |
| L01 | The Laboratory Control Sample Water (LCSW) recovery is not within laboratory established control limits. |
| Q02 | Matrix spike precision is not within the control limits. |
| Q03 | Matrix spike recovery(s) is(are) not within the control limits. |
| V01 | The Initial Calibration Verification (ICV) recovery is not within established control limits. |
| V11 | The Continuing Calibration Verification (CCV) recovery is not within established control limits. |

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Date of Report: 09/02/2014

Jason Sapp

Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

| | |
|---|---|
| Client Project: | 2013-0100 |
| BCL Project: | Rialto Perchlorate Investigaton |
| BCL Work Order: | 1418491 |
| Invoice ID: | B182069 |

Enclosed are the results of analyses for samples received by the laboratory on 8/12/2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Tina Green
Client Services Manager

Authorized Signature

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BC Laboratories, Inc.

# Chain of Custody Form

Page 1 of 1

Report To:
Client: Geologic Assoc.
Attn: Jason Sapp
Street Address: 250 W. 1st St. #28
City, State, Zip: C.M., CA 91711
Phone: 909 626-2282 Fax: 909 626-1233
Email Address:
Work Order #: 14-1849 1

Project #: 2013.0100
Project Name: Rialto Perchlorate
Sampler(s): BS, DMJ

Analysis Requested: VOCs 524.2, 8270 SIM, 1,4-Dioxane, Perchlorate (314.0)

Comments:

Refer to the back of this page for completion instructions and method legend.

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☑ No

* Standard Turnaround = 10 work days

| Sample # | Description | Date Sampled | Time Sampled | VOCs 524.2 | 8270 SIM 1,4-Dioxane | Perchlorate (314.0) | Soil | Sludge | Drinking Water | Ground Water | Waste Water | Other | Turnaround # of work days* | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -1 | M3-1 | 8/11/14 | 1300 | X | X | X | | | | X | | | | |
| -2 | M3-2 | | 1235 | X | X | X | | | | X | | | | |
| -3 | M3-3 | | 1210 | X | X | X | | | | X | | | | |
| -4 | M3-4 | | 1145 | X | X | X | | | | X | | | | |
| -5 | M3-5 | | 1040 | X | X | X | | | | X | | | | |
| -6 | M3-6 | | 1115 | X | X | X | | | | X | | | | |
| -7 | M3-7 | | 1010 | X | X | X | | | | X | | | | |
| -8 | M6-5 | | 1535 | X | X | X | | | | X | | | | |
| -9 | M6-6 | | 1505 | X | X | X | | | | X | | | | |
| -10 | M6-7 | | 1430 | X | X | X | | | | X | | | | |

CHK BY: MW
DISTRIBUTION: MAIL ☐ ☐ SUB-OUT ☐

**Billing** ☒ Same as above
Client:
Address:
City: State Zip
Attn:
PO#:

EDF Required? Geotracker ☒ Yes ☐ No
Send Copy to State of CA? (EDT) ☐ Yes ☒ No

Global ID (Needed for EDF)
System # (Needed for EDT)

| Relinquished By | Date | Time | Received By | Date | Time |
|---|---|---|---|---|---|
| 1. [signature] | 8/11/14 | 1700 | 1. [signature] | 8/12/14 | 1205 |
| 2. [signature] | 8/12/14 | 1725 | 2. [signature] | 8/12/14 | 1725 |
| 3. | | | 3. | | |

BC Laboratories, Inc. – 4100 Atlas Ct. – Bakersfield, CA 93308 – 661.327.4911 – Fax: 661.327.1918 – www.bclabs.com

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**Chain of Custody and Cooler Receipt Form for 1418491 Page 2 of 2**

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 17 06/05/14 Page 1 Of 1

Submission #: 14-18491

**SHIPPING INFORMATION**
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

**FREE LIQUID**
YES ☐ NO ☐

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

**COC Received**
☒ YES ☐ NO

Emissivity: 0.97 Container: Amber Thermometer ID: 207 Date/Time 8/12/14 1725
Temperature: (A) 0.3 °C / (C) 0.4 °C Analyst Init MM

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT GENERAL MINERAL/ GENERAL | | | | | | | | | | |
| PT PE UNPRESERVED 8oz | B | B | B | B | B | B | B | B | B | B |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT TOX | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | A 3 | A 3 | A 3 | A 3 | A 3 | A 3 | A 3 | A 3 | A 3 | A 3 |
| QT EPA 413.1, 413.2, 418.1 | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608/8080 | | | | | | | | | | |
| QT EPA 515.1/8150 | | | | | | | | | | |
| QT EPA 525 | | | | | | | | | | |
| QT EPA 525 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz Amber EPA 548 | | | | | | | | | | |
| QT EPA 549 | | | | | | | | | | |
| QT EPA 632 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT AMBER | | | | | | | | | | |
| 8 OZ. JAR | | | | | | | | | | |
| 32 OZ. JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| Summa Canister | | | | | | | | | | |

Comments:
Sample Numbering Completed By: MM Date/Time: 8/12/14@1835 (S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC16
A = Actual / C = Corrected

Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| **1418491-01** | **COC Number:** | --- | **Receive Date:** | 08/12/2014 17:25 |
| | **Project Number:** | --- | **Sampling Date:** | 08/11/2014 13:00 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | M3-1 | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |
| **1418491-02** | **COC Number:** | --- | **Receive Date:** | 08/12/2014 17:25 |
| | **Project Number:** | --- | **Sampling Date:** | 08/11/2014 12:35 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | M3-2 | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |
| **1418491-03** | **COC Number:** | --- | **Receive Date:** | 08/12/2014 17:25 |
| | **Project Number:** | --- | **Sampling Date:** | 08/11/2014 12:10 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | M3-3 | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |
| **1418491-04** | **COC Number:** | --- | **Receive Date:** | 08/12/2014 17:25 |
| | **Project Number:** | --- | **Sampling Date:** | 08/11/2014 11:45 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | M3-4 | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |
| **1418491-05** | **COC Number:** | --- | **Receive Date:** | 08/12/2014 17:25 |
| | **Project Number:** | --- | **Sampling Date:** | 08/11/2014 10:40 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | M3-5 | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |
| **1418491-06** | **COC Number:** | --- | **Receive Date:** | 08/12/2014 17:25 |
| | **Project Number:** | --- | **Sampling Date:** | 08/11/2014 11:15 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | M3-6 | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |
| **1418491-07** | **COC Number:** | --- | **Receive Date:** | 08/12/2014 17:25 |
| | **Project Number:** | --- | **Sampling Date:** | 08/11/2014 10:10 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | M3-7 | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |

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| | |
|---|---|
| Geologic Associates<br>250 W. First St. Suite 228<br>Claremont, CA 91711 | **Reported:** 09/02/2014 12:33<br>Project: Rialto Perchlorate Investigaton<br>Project Number: 2013-0100<br>Project Manager: Jason Sapp |

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| **1418491-08** | **COC Number:** | --- | **Receive Date:** | 08/12/2014 17:25 |
| | **Project Number:** | --- | **Sampling Date:** | 08/11/2014 15:35 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | M6-5 | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |
| **1418491-09** | **COC Number:** | --- | **Receive Date:** | 08/12/2014 17:25 |
| | **Project Number:** | --- | **Sampling Date:** | 08/11/2014 15:05 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | M6-6 | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |
| **1418491-10** | **COC Number:** | --- | **Receive Date:** | 08/12/2014 17:25 |
| | **Project Number:** | --- | **Sampling Date:** | 08/11/2014 14:30 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | M6-7 | **Lab Matrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-01 | **Client Sample Name:** M3-1, 8/11/2014 1:00:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| **Chloroform** | **0.42** | **ug/L** | **0.50** | **0.12** | **EPA-524.2** | ND | **J** | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| **1,2-Dichloropropane** | **0.96** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-01 | **Client Sample Name:** M3-1, 8/11/2014 1:00:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| **Tetrachloroethene** | **0.67** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| **Trichloroethene** | **12** | **ug/L** | **0.50** | **0.085** | **EPA-524.2** | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-01 | **Client Sample Name:** M3-1, 8/11/2014 1:00:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | V11 | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 112 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 98.8 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 89.0 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/14/14 | 08/14/14 17:38 | JCC | MS-V14 | 1 | BXH0998 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418491-01 | **Client Sample Name:** M3-1, 8/11/2014 1:00:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **46** | **ug/L** | **20** | **2.2** | **EPA-314.0** | ND | **A01** | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 08/31/14 | 08/31/14 22:40 | OLH | IC6 | 5 | BXH2984 |

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Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-02 | **Client Sample Name:** M3-2, 8/11/2014 12:35:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| **Chloroform** | **0.54** | **ug/L** | **0.50** | **0.12** | **EPA-524.2** | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| **1,2-Dichloropropane** | **0.83** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-02 | **Client Sample Name:** M3-2, 8/11/2014 12:35:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| **Tetrachloroethene** | **1.5** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| **Trichloroethene** | **21** | **ug/L** | **0.50** | **0.085** | **EPA-524.2** | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-02 | **Client Sample Name:** M3-2, 8/11/2014 12:35:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | V11 | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 105 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 97.5 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 84.1 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/14/14 | 08/14/14 18:02 | JCC | MS-V14 | 1 | BXH0998 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418491-02 | **Client Sample Name:** M3-2, 8/11/2014 12:35:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **52** | **ug/L** | **20** | **2.2** | **EPA-314.0** | ND | **A01** | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 08/31/14 | 08/31/14 23:08 | OLH | IC6 | 5 | BXH2984 |

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Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-03 | **Client Sample Name:** M3-3, 8/11/2014 12:10:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| **Chloroform** | **0.78** | **ug/L** | **0.50** | **0.12** | **EPA-524.2** | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| **1,1-Dichloroethene** | **0.78** | **ug/L** | **0.50** | **0.18** | **EPA-524.2** | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| **1,2-Dichloropropane** | **1.1** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-03 | **Client Sample Name:** M3-3, 8/11/2014 12:10:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| **Tetrachloroethene** | **1.9** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| **Trichloroethene** | **26** | **ug/L** | **0.50** | **0.085** | **EPA-524.2** | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-03 | **Client Sample Name:** M3-3, 8/11/2014 12:10:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | V11 | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 109 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 100 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 86.7 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/14/14 | 08/14/14 18:25 | JCC | MS-V14 | 1 | BXH0998 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418491-03 | **Client Sample Name:** M3-3, 8/11/2014 12:10:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **66** | **ug/L** | **40** | **4.5** | **EPA-314.0** | ND | **A01** | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 08/31/14 | 08/31/14 23:35 | OLH | IC6 | 10 | BXH2985 |

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Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-04 | **Client Sample Name:** M3-4, 8/11/2014 11:45:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| **Chloroform** | **0.85** | **ug/L** | **0.50** | **0.12** | **EPA-524.2** | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | V11 | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| **1,1-Dichloroethene** | **0.81** | **ug/L** | **0.50** | **0.18** | **EPA-524.2** | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| **1,2-Dichloropropane** | **0.89** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-04 | **Client Sample Name:** M3-4, 8/11/2014 11:45:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| **Tetrachloroethene** | **1.9** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| **Trichloroethene** | **26** | **ug/L** | **0.50** | **0.085** | **EPA-524.2** | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-04 | **Client Sample Name:** M3-4, 8/11/2014 11:45:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | V11 | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01,V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 104 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 99.8 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 84.5 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/14/14 | 08/15/14 15:36 | JCC | MS-V14 | 1 | BXH0998 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418491-04 | **Client Sample Name:** M3-4, 8/11/2014 11:45:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **61** | **ug/L** | **20** | **2.2** | **EPA-314.0** | ND | **A01** | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 08/31/14 | 09/01/14 00:31 | OLH | IC6 | 5 | BXH2985 |

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Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-05 | **Client Sample Name:** M3-5, 8/11/2014 10:40:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| **Chloroform** | **0.65** | **ug/L** | **0.50** | **0.12** | **EPA-524.2** | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | V11 | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| **1,1-Dichloroethene** | **0.45** | **ug/L** | **0.50** | **0.18** | **EPA-524.2** | ND | **J** | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| **1,2-Dichloropropane** | **0.71** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-05 | **Client Sample Name:** M3-5, 8/11/2014 10:40:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| **Tetrachloroethene** | **1.1** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| **Trichloroethene** | **15** | **ug/L** | **0.50** | **0.085** | **EPA-524.2** | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-05 | **Client Sample Name:** M3-5, 8/11/2014 10:40:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | V11 | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01,V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 100 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 96.6 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 86.6 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/14/14 | 08/15/14 15:59 | JCC | MS-V14 | 1 | BXH0998 |

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250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418491-05 | **Client Sample Name:** M3-5, 8/11/2014 10:40:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **67** | **ug/L** | **20** | **2.2** | **EPA-314.0** | ND | **A01** | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 08/31/14 | 09/01/14 01:26 | OLH | IC6 | 5 | BXH2985 |

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**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-06 | **Client Sample Name:** M3-6, 8/11/2014 11:15:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| **Chloroform** | **0.52** | **ug/L** | **0.50** | **0.12** | **EPA-524.2** | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | V11 | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| **1,1-Dichloroethene** | **0.40** | **ug/L** | **0.50** | **0.18** | **EPA-524.2** | ND | **J** | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| **1,2-Dichloropropane** | **0.65** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-06 | **Client Sample Name:** M3-6, 8/11/2014 11:15:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| **Tetrachloroethene** | **1.0** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| **Trichloroethene** | **14** | **ug/L** | **0.50** | **0.085** | **EPA-524.2** | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-06 | **Client Sample Name:** M3-6, 8/11/2014 11:15:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | V11 | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01,V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 104 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 99.0 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 83.2 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/14/14 | 08/15/14 16:22 | JCC | MS-V14 | 1 | BXH0998 |

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Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418491-06 | **Client Sample Name:** M3-6, 8/11/2014 11:15:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **48** | **ug/L** | **20** | **2.2** | **EPA-314.0** | ND | **A01** | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 08/31/14 | 09/01/14 01:54 | OLH | IC6 | 5 | BXH2985 |

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Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-07 | **Client Sample Name:** M3-7, 8/11/2014 10:10:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | V11 | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-07 | **Client Sample Name:** M3-7, 8/11/2014 10:10:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| **Tetrachloroethene** | **0.22** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | **J** | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| **Trichloroethene** | **2.8** | **ug/L** | **0.50** | **0.085** | **EPA-524.2** | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-07 | **Client Sample Name:** M3-7, 8/11/2014 10:10:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | V11 | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01,V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 107 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 96.2 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 87.4 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| **TIC: 1,1-Difluoroethene** | **1.0** | **ug/L** | | | **EPA-524.2** | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/14/14 | 08/15/14 16:46 | JCC | MS-V14 | 1 | BXH0998 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418491-07 | **Client Sample Name:** M3-7, 8/11/2014 10:10:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **9.7** | **ug/L** | **4.0** | **0.45** | **EPA-314.0** | ND | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 08/31/14 | 08/31/14 19:04 | OLH | IC6 | 1 | BXH2985 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-08 | **Client Sample Name:** M6-5, 8/11/2014 3:35:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | V11 | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-08 | **Client Sample Name:** M6-5, 8/11/2014 3:35:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Trichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-08 | **Client Sample Name:** M6-5, 8/11/2014 3:35:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | V11 | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01,V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 108 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 97.4 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 87.0 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/14/14 | 08/15/14 17:09 | JCC | MS-V14 | 1 | BXH0998 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418491-08 | **Client Sample Name:** M6-5, 8/11/2014 3:35:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Perchlorate | ND | ug/L | 4.0 | 0.45 | EPA-314.0 | ND | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 08/31/14 | 08/31/14 19:46 | OLH | IC6 | 1 | BXH2985 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-09 | **Client Sample Name:** M6-6, 8/11/2014 3:05:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | V11 | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-09 | **Client Sample Name:** M6-6, 8/11/2014 3:05:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Trichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-09 | **Client Sample Name:** M6-6, 8/11/2014 3:05:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | V11 | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01,V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 110 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 100 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 82.8 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/14/14 | 08/15/14 17:32 | JCC | MS-V14 | 1 | BXH0998 |

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250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418491-09 | **Client Sample Name:** M6-6, 8/11/2014 3:05:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Perchlorate | ND | ug/L | 4.0 | 0.45 | EPA-314.0 | ND | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 08/31/14 | 08/31/14 20:00 | OLH | IC6 | 1 | BXH2985 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-10 | **Client Sample Name:** M6-7, 8/11/2014 2:30:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | V11 | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-10 | **Client Sample Name:** M6-7, 8/11/2014 2:30:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Trichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418491-10 | **Client Sample Name:** M6-7, 8/11/2014 2:30:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | V11 | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01,V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 109 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 96.8 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 80.5 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/14/14 | 08/15/14 17:55 | JCC | MS-V14 | 1 | BXH0998 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418491-10 | **Client Sample Name:** M6-7, 8/11/2014 2:30:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Perchlorate | ND | ug/L | 4.0 | 0.45 | EPA-314.0 | ND | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 08/31/14 | 08/31/14 20:14 | OLH | IC6 | 1 | BXH2985 |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH0998** | | | | | | |
| Benzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.083 | |
| Bromobenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| Bromochloromethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.24 | |
| Bromodichloromethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.14 | |
| Bromoform | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.27 | |
| Bromomethane | BXH0998-BLK1 | ND | ug/L | 1.0 | 0.25 | |
| n-Butylbenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| sec-Butylbenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| tert-Butylbenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| Carbon tetrachloride | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.18 | |
| Chlorobenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.093 | |
| Chloroethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.14 | |
| Chloroform | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| Chloromethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.14 | |
| 2-Chlorotoluene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.20 | |
| 4-Chlorotoluene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| Dibromochloromethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| 1,2-Dibromo-3-chloropropane | BXH0998-BLK1 | ND | ug/L | 1.0 | 0.44 | |
| 1,2-Dibromoethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.16 | |
| Dibromomethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.24 | |
| 1,2-Dichlorobenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.072 | |
| 1,3-Dichlorobenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| 1,4-Dichlorobenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.062 | |
| Dichlorodifluoromethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.099 | |
| 1,1-Dichloroethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| 1,2-Dichloroethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.17 | |
| 1,1-Dichloroethene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.18 | |
| cis-1,2-Dichloroethene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.085 | |
| trans-1,2-Dichloroethene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| 1,2-Dichloropropane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| 1,3-Dichloropropane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.086 | |
| 2,2-Dichloropropane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| 1,1-Dichloropropene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.085 | |
| cis-1,3-Dichloropropene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.14 | |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH0998** | | | | | | |
| trans-1,3-Dichloropropene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.079 | |
| Ethylbenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.098 | |
| Hexachlorobutadiene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.17 | |
| Isopropylbenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.14 | |
| p-Isopropyltoluene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| Methylene chloride | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.48 | |
| Methyl t-butyl ether | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| Naphthalene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.36 | |
| n-Propylbenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| Styrene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.068 | |
| 1,1,1,2-Tetrachloroethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.18 | |
| 1,1,2,2-Tetrachloroethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.17 | |
| Tetrachloroethene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| Toluene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.093 | |
| 1,2,3-Trichlorobenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.16 | |
| 1,2,4-Trichlorobenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.19 | |
| 1,1,1-Trichloroethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| 1,1,2-Trichloroethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.16 | |
| Trichloroethene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.085 | |
| Trichlorofluoromethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| 1,2,3-Trichloropropane | BXH0998-BLK1 | ND | ug/L | 1.0 | 0.24 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| 1,2,4-Trimethylbenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| 1,3,5-Trimethylbenzene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| Vinyl chloride | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| Acetone | BXH0998-BLK1 | ND | ug/L | 10 | 4.6 | |
| Acrylonitrile | BXH0998-BLK1 | ND | ug/L | 5.0 | 1.2 | |
| Allyl chloride | BXH0998-BLK1 | ND | ug/L | 5.0 | 0.80 | |
| t-Amyl Methyl ether | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.25 | |
| t-Butyl alcohol | BXH0998-BLK1 | ND | ug/L | 10 | 9.4 | |
| Carbon disulfide | BXH0998-BLK1 | ND | ug/L | 1.0 | 0.38 | |
| trans-1,4-Dichloro-2-butene | BXH0998-BLK1 | ND | ug/L | 5.0 | 1.4 | |
| Ethyl methacrylate | BXH0998-BLK1 | ND | ug/L | 4.0 | 0.97 | |
| Ethyl t-butyl ether | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.18 | |

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Geologic Associates
250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH0998** | | | | | | |
| 2-Hexanone | BXH0998-BLK1 | ND | ug/L | 10 | 3.4 | |
| Methacrylonitrile | BXH0998-BLK1 | ND | ug/L | 10 | 1.7 | |
| Methyl ethyl ketone | BXH0998-BLK1 | ND | ug/L | 10 | 2.5 | |
| Methyl iodide | BXH0998-BLK1 | ND | ug/L | 2.0 | 0.47 | |
| Methyl isobutyl ketone | BXH0998-BLK1 | ND | ug/L | 10 | 2.1 | |
| Methyl methacrylate | BXH0998-BLK1 | ND | ug/L | 5.0 | 1.5 | |
| Nitrobenzene | BXH0998-BLK1 | ND | ug/L | 30 | 13 | |
| Pentachloroethane | BXH0998-BLK1 | ND | ug/L | 2.0 | 0.43 | |
| Propionitrile | BXH0998-BLK1 | ND | ug/L | 20 | 4.2 | |
| Tetrahydrofuran | BXH0998-BLK1 | ND | ug/L | 20 | 5.2 | |
| p- & m-Xylenes | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.28 | |
| o-Xylene | BXH0998-BLK1 | ND | ug/L | 0.50 | 0.082 | |
| **1,2-Dichloroethane-d4 (Surrogate)** | **BXH0998-BLK1** | **106** | % | **75 - 125 (LCL - UCL)** | | |
| **Toluene-d8 (Surrogate)** | **BXH0998-BLK1** | **97.5** | % | **80 - 120 (LCL - UCL)** | | |
| **4-Bromofluorobenzene (Surrogate)** | **BXH0998-BLK1** | **83.9** | % | **80 - 120 (LCL - UCL)** | | |

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**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH0998** | | | | | | | | | | |
| Benzene | BXH0998-BS1 | LCS | 22.880 | 25.000 | ug/L | 91.5 | | 70 - 130 | | |
| Bromodichloromethane | BXH0998-BS1 | LCS | 22.773 | 25.000 | ug/L | 91.1 | | 70 - 130 | | |
| Chlorobenzene | BXH0998-BS1 | LCS | 21.877 | 25.000 | ug/L | 87.5 | | 70 - 130 | | |
| Chloroethane | BXH0998-BS1 | LCS | 24.630 | 25.000 | ug/L | 98.5 | | 70 - 130 | | |
| 1,4-Dichlorobenzene | BXH0998-BS1 | LCS | 23.838 | 25.000 | ug/L | 95.4 | | 70 - 130 | | |
| 1,1-Dichloroethane | BXH0998-BS1 | LCS | 21.803 | 25.000 | ug/L | 87.2 | | 70 - 130 | | |
| 1,1-Dichloroethene | BXH0998-BS1 | LCS | 24.779 | 25.000 | ug/L | 99.1 | | 70 - 130 | | |
| Toluene | BXH0998-BS1 | LCS | 22.290 | 25.000 | ug/L | 89.2 | | 70 - 130 | | |
| Trichloroethene | BXH0998-BS1 | LCS | 24.899 | 25.000 | ug/L | 99.6 | | 70 - 130 | | |
| 1,2-Dichloroethane-d4 (Surrogate) | BXH0998-BS1 | LCS | 10.530 | 10.000 | ug/L | 105 | | 75 - 125 | | |
| Toluene-d8 (Surrogate) | BXH0998-BS1 | LCS | 9.8500 | 10.000 | ug/L | 98.5 | | 80 - 120 | | |
| 4-Bromofluorobenzene (Surrogate) | BXH0998-BS1 | LCS | 10.050 | 10.000 | ug/L | 100 | | 80 - 120 | | |

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Geologic Associates
250 W. First St. Suite 228
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**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH0998** | Used client sample: N | | | | | | | | | | |
| Benzene | MS | 1416132-80 | ND | 26.187 | 25.000 | ug/L | | 105 | | 70 - 130 | |
| | MSD | 1416132-80 | ND | 23.741 | 25.000 | ug/L | 9.8 | 95.0 | 20 | 70 - 130 | |
| Bromodichloromethane | MS | 1416132-80 | ND | 25.848 | 25.000 | ug/L | | 103 | | 70 - 130 | |
| | MSD | 1416132-80 | ND | 24.341 | 25.000 | ug/L | 6.0 | 97.4 | 20 | 70 - 130 | |
| Chlorobenzene | MS | 1416132-80 | ND | 25.029 | 25.000 | ug/L | | 100 | | 70 - 130 | |
| | MSD | 1416132-80 | ND | 23.325 | 25.000 | ug/L | 7.0 | 93.3 | 20 | 70 - 130 | |
| Chloroethane | MS | 1416132-80 | ND | 26.400 | 25.000 | ug/L | | 106 | | 70 - 130 | |
| | MSD | 1416132-80 | ND | 25.610 | 25.000 | ug/L | 3.0 | 102 | 20 | 70 - 130 | |
| 1,4-Dichlorobenzene | MS | 1416132-80 | ND | 28.024 | 25.000 | ug/L | | 112 | | 70 - 130 | |
| | MSD | 1416132-80 | ND | 25.496 | 25.000 | ug/L | 9.4 | 102 | 20 | 70 - 130 | |
| 1,1-Dichloroethane | MS | 1416132-80 | ND | 25.342 | 25.000 | ug/L | | 101 | | 70 - 130 | |
| | MSD | 1416132-80 | ND | 23.371 | 25.000 | ug/L | 8.1 | 93.5 | 20 | 70 - 130 | |
| 1,1-Dichloroethene | MS | 1416132-80 | ND | 27.975 | 25.000 | ug/L | | 112 | | 70 - 130 | |
| | MSD | 1416132-80 | ND | 26.134 | 25.000 | ug/L | 6.8 | 105 | 20 | 70 - 130 | |
| Toluene | MS | 1416132-80 | ND | 24.872 | 25.000 | ug/L | | 99.5 | | 70 - 130 | |
| | MSD | 1416132-80 | ND | 23.492 | 25.000 | ug/L | 5.7 | 94.0 | 20 | 70 - 130 | |
| Trichloroethene | MS | 1416132-80 | ND | 27.978 | 25.000 | ug/L | | 112 | | 70 - 130 | |
| | MSD | 1416132-80 | ND | 26.305 | 25.000 | ug/L | 6.2 | 105 | 20 | 70 - 130 | |
| 1,2-Dichloroethane-d4 (Surrogate) | MS | 1416132-80 | ND | 11.360 | 10.000 | ug/L | | 114 | | 75 - 125 | |
| | MSD | 1416132-80 | ND | 10.650 | 10.000 | ug/L | 6.5 | 106 | | 75 - 125 | |
| Toluene-d8 (Surrogate) | MS | 1416132-80 | ND | 10.030 | 10.000 | ug/L | | 100 | | 80 - 120 | |
| | MSD | 1416132-80 | ND | 10.050 | 10.000 | ug/L | 0.2 | 100 | | 80 - 120 | |
| 4-Bromofluorobenzene (Surrogate) | MS | 1416132-80 | ND | 10.300 | 10.000 | ug/L | | 103 | | 80 - 120 | |
| | MSD | 1416132-80 | ND | 10.140 | 10.000 | ug/L | 1.6 | 101 | | 80 - 120 | |

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| Geologic Associates<br>250 W. First St. Suite 228<br>Claremont, CA 91711 | **Reported:** 09/02/2014 12:33<br>Project: Rialto Perchlorate Investigaton<br>Project Number: 2013-0100<br>Project Manager: Jason Sapp |

# Water Analysis (General Chemistry)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH2984** | | | | | | |
| Perchlorate | BXH2984-BLK1 | ND | ug/L | 4.0 | 0.45 | |
| **QC Batch ID: BXH2985** | | | | | | |
| Perchlorate | BXH2985-BLK1 | ND | ug/L | 4.0 | 0.45 | |

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250 W. First St. Suite 228
Claremont, CA 91711

**Reported:** 09/02/2014 12:33
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH2984** | | | | | | | | | | |
| Perchlorate | BXH2984-BS1 | LCS | 9.7943 | 10.000 | ug/L | 97.9 | | 85 - 115 | | |
| **QC Batch ID: BXH2985** | | | | | | | | | | |
| Perchlorate | BXH2985-BS1 | LCS | 11.173 | 10.000 | ug/L | 112 | | 85 - 115 | | |

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**Reported:** 09/02/2014 12:33
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Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH2984** | Used client sample: N | | | | | | | | | | |
| Perchlorate | DUP | 420019-05RE´ | 18.303 | 18.155 | | ug/L | 0.8 | | 15 | | |
| | MS | 420019-05RE´ | 18.303 | 41.152 | 20.202 | ug/L | | 113 | | 80 - 120 | |
| | MSD | 420019-05RE´ | 18.303 | 41.199 | 20.202 | ug/L | 0.1 | 113 | 15 | 80 - 120 | |
| **QC Batch ID: BXH2985** | Used client sample: Y - Description: M3-3, 08/11/2014 12:10 | | | | | | | | | | |
| Perchlorate | DUP | 418491-03RE´ | 65.589 | 60.485 | | ug/L | 8.1 | | 15 | | |
| | MS | 418491-03RE´ | 65.589 | 173.84 | 101.01 | ug/L | | 107 | | 80 - 120 | |
| | MSD | 418491-03RE´ | 65.589 | 170.70 | 101.01 | ug/L | 1.8 | 104 | 15 | 80 - 120 | |

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| | | | |
|---|---|---|---|
| Geologic Associates | | **Reported:** | 09/02/2014 12:33 |
| 250 W. First St. Suite 228 | | Project: | Rialto Perchlorate Investigaton |
| Claremont, CA 91711 | | Project Number: | 2013-0100 |
| | | Project Manager: | Jason Sapp |

## Notes And Definitions

| | |
|---|---|
| J | Estimated Value (CLP Flag) |
| MDL | Method Detection Limit |
| ND | Analyte Not Detected at or above the reporting limit |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| A01 | PQL's and MDL's are raised due to sample dilution. |
| V01 | The Initial Calibration Verification (ICV) recovery is not within established control limits. |
| V11 | The Continuing Calibration Verification (CCV) recovery is not within established control limits. |

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**BC Laboratories, Inc.**
Environmental Testing Laboratory Since 1949

Date of Report: 09/02/J014

Gason Sapp

Aeologic 8ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

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| Mvoice NO: | u12J3OO |

Enclose7 are tze res, lts of analyses for samples receive7 by tze laboratory on 2/1O/J014B Mlyo, zave any #, estions concerning tzis reportj please feel free to contact meB

Sincerelyj

Pontact Werson: Tina Areen
Plient Services Nanager

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Pertifications: P8 EL8WV1126- KU VP800014- q R EL8WV40QJh001- 8( ) ST101

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## 5otes

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# Chain of Custody Form

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| | |
|---|---|
| Report To: Client: Geologic Associates | Project #: 2013.0100 |
| Attn: JASON SAPP | Project Name: Rialto Perchlorate |
| Street Address: 250 W 1st St #228 | |
| City, State, Zip: Claremont CA 91711 | Sampler(s): M. Campbell, N. Reason, A. Shaw |
| Phone: (909) 626-2282 Fax: (909) 626-1233 | |
| Email Address: | |
| Work Order #: 14-18652 | |

Analysis Requested

Comments: *NOTE: VOC testing includes 1,2,3-TCP, TAMB, TBA, ETBE, 1,1,2-TCTFA
- METALS were field filtered

Are there any tests with holding times less than or equal to 48 hours? ☒ Yes ☐ No

* Standard Turnaround = 10 work days

| Sample # | Description | Date Sampled | Time Sampled | VOCs (EPA 524.2) * | Perchlorate | HARDNESS (calc) | TDS (EPA 160.1) | CHLORIDE, NITRATE-N, SULFATE (EPA 300.0) | ALKALINITY, HYDROXIDE (APHA 310) | MBAS (EPA 425.1) | Cr, Mg, K, Na, Sb, As, Cu, Be, Cd, Cr, Cu, Pb (EPA 6010B) | Hg, Mo, Ni, Se, Ag, Tl, V, Zn (EPA 6010B/7470) | SVOCs (8270) | NDMA (8270-SIM) | CHLORINATED Herbicides (EPA 8151) | Sample Matrix: Soil | Sludge | Drinking Water | Ground Water | Waste Water | Other | Turnaround # of work days* | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -1 | MID | 8/12/14 | 1125 | X | X | X | X | X | X | X | X | X | X | X | X | | | | X | | | | |
| -2 | N8-4 | | 0940 | X | X | X | X | X | X | X | X | X | X | X | X | | | | X | | | | |
| -3 | N12 | | 1045 | X | X | X | X | X | X | X | X | X | X | X | X | | | | X | | | | |
| -4 | N13-4 | | 1410 | X | X | X | X | X | X | X | X | X | X | X | X | | | | X | | | | |
| -5 | N3-4 | | 1505 | X | X | | | | | | | | | | | | | | X | | | | |
| -6 | N13-2 | | 1235 | X | X | | | | | | | | | | | | | | X | | | | |
| -7 | N16-B | | 1250 | X | X | | | | | | | | | | | | | | X | | | | |
| -8 | N16-C1 | | 1320 | X | X | | | | | | | | | | | | | | X | | | | |
| -9 | N16-C2 | | 1345 | X | X | | | | | | | | | | | | | | X | | | | |
| -10 | N19R-B | | 0955 | X | X | | | | | | | | | | | | | | X | | | | |
| -11 | N19R-C1 | | 1020 | X | X | | | | | | | | | | | | | | X | | | | |
| -12 | N19R-C2 | | 1105 | X | X | | | | | | | | | | | | | | X | | | | |
| -13 | N-Dup | | — | X | X | | | | | | | | | | | | | | X | | | | |

SHORT HOLDING TIME
$Cr^{+6}$ $NO_2$ $NO_3$ OP SS
DO $Cl_2$ BOD MBAS COT

CHK BY DISTRIBUTION
MA MT JK ESM
SUB-OUT

**Billing** ☒ Same as above
Client:
Address:
City: State Zip
Attn:
PO#:

EDF Required? Geotracker ☒ Yes ☐ No
Send Copy to State of CA? (EDT) ☐ Yes ☒ No

Global ID (Needed for EDF)
System # (Needed for EDT)

| | Date | Time | | Date | Time |
|---|---|---|---|---|---|
| 1. Relinquished By | 8/12/14 | 1700 | 1. Received By | 8-13-14 | 1300 |
| 2. Relinquished By | 8-13-14 | 1805 | 2. Received By | 8/13/14 | 1805 |
| 3. Relinquished By | | | 3. Received By | | |

BC Laboratories, Inc. – 4100 Atlas Ct. – Bakersfield, CA 93308 – 661.327.4911 – Fax: 661.327.1918 – www.bclabs.com

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# Chain of Custody Form

Page 2 of 2

Report To:
Client: Geologic Associates
Attn: Jason Sapp
Street Address: 250 W 1st St #228
City, State, Zip: Claremont CA 91711
Phone: (909) 626-2282 Fax: (909) 626-1233
Email Address:
Work Order #: 14-18652

Project #: 2013.0100
Project Name: Rialto Perchlorate
Sampler(s): M. Campbell, N. Resson, A. Shaw

Analysis Requested

Comments: *NOTE: VOC testing includes 1,2,3-TCP, TAME, TBA, ETBE, 1,1,2-TCTFA

| Sample # | Description | Date Sampled | Time Sampled | Organochlorine Pesticides & PCBs (EPA 8081) | Organophosphorus Pesticides (EPA 8141) | VOCs (EPA 524.2) | Soil | Sludge | Drinking Water | Ground Water | Waste Water | Other | Turnaround # of work days* | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (-1) | MID | 8/12/14 | 1125 | X | X | | | | | X | | | | |
| (-2) | N8-4 | | 0940 | X | X | | | | | X | | | | |
| (-3) | N12 | | 1045 | X | X | | | | | X | | | | |
| (-4) | N13-4 | | 1410 | X | X | | | | | X | | | | |
| -14 | QCAB | 8/12/14 | – | | | X | | | | X | | X | | |
| -15 | QCTB | 8/12/14 | – | | | X | | | | | | X | | |

Sample Matrix: Soil, Sludge, Drinking Water, Ground Water, Waste Water, Other (LAB $H_2O$)

Are there any tests with holding times less than or equal to 48 hours? ☒ Yes ☐ No

* Standard Turnaround = 10 work days

**Billing**
☒ Same as above
Client:
Address:
City: State: Zip:
Attn:
PO#:

EDF Required? Geotracker ☒ Yes ☐ No

Send Copy to State of CA? (EDT) ☐ Yes ☒ No

Global ID (Needed for EDF)

System # (Needed for EDT)

| Relinquished By | Date | Time | Received By | Date | Time |
|---|---|---|---|---|---|
| 1. [signature] | 8/12/14 | 1700 | 1. [signature] | 8-13-14 | 1310 |
| 2. [signature] | 8-13-14 | 1805 | 2. [signature] | 8-13-14 | 1805 |
| 3. | | | 3. | | |

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Submission #: 14-18652

**SHIPPING INFORMATION**
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

**FREE LIQUID**
YES ☐ NO ☐

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: Pe Thermometer ID: 207 Date/Time 8/13/14 1805
Temperature: (A) 1.3 °C / (C) 1.5 °C Analyst Init MM

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT GENERAL MINERAL/ GENERAL | B | | | | B | | | | | |
| PT PE UNPRESERVED | | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT INORGANIC CHEMICAL METALS | C | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT TOX | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | A (3) | ( ) | ( ) | ( ) | A (3) | ( ) | ( ) | ( ) | ( ) | ( ) |
| QT EPA 413.1, 413.2, 418.1 | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608/8080 | | | | | | | | | | |
| QT EPA 515.1/8150 | | | | | | | | | | |
| QT EPA 525 | | | | | | | | | | |
| QT EPA 525 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz Amber EPA 548 | | | | | | | | | | |
| QT EPA 549 | | | | | | | | | | |
| QT EPA 632 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT AMBER | DEFGH | | | | | | | | | |
| 8 OZ. JAR | | | | | | | | | | |
| 32 OZ. JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| Summa Canister | | | | | | | | | | |

Comments:
Sample Numbering Completed By: MM Date/Time: 8/13/14@1900 [S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC16
A = Actual / C = Corrected

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 17 06/05/14 Page 2 Of 4

Submission #: 14-18652

**SHIPPING INFORMATION**
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

**FREE LIQUID**
YES ☐ NO ☐

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: Pc Thermometer ID: 207 Date/Time 8/13/14 805

Temperature: (A) 4.0 °C / (C) 4.2 °C Analyst Init MM

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT GENERAL MINERAL/ GENERAL | | | | B | | | | | | |
| PT PE UNPRESERVED 8oz | | | | | | | | B | | B |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT INORGANIC CHEMICAL METALS | | | C | C | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT TOX | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PIA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | ( ) | A 3 | A 3 | A 3 | ( ) | A 3 | A 3 | A 3 | A 3 | A 3 |
| QT EPA 413.1, 413.2, 418.1 | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608/8080 | | | | | | | | | | |
| QT EPA 515.1/8150 | | | | | | | | | | |
| QT EPA 525 | | | | | | | | | | |
| QT EPA 525 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz Amber EPA 548 | | | | | | | | | | |
| QT EPA 549 | | | | | | | | | | |
| QT EPA 632 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT AMBER | | | DEF | DEFGH | | | | | | |
| 8 OZ. JAR | | | | | | | | | | |
| 32 OZ. JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| Summa Canister | | | | | | | | | | |

Comments:_____
Sample Numbering Completed By: MM Date/Time: 8/13/14 @1900 (S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC16
A = Actual / C = Corrected

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Submission #: 14-18652

**SHIPPING INFORMATION**
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☒ None ☐ Box ☐
/Other ☐ (Specify)_____

**FREE LIQUID**
YES ☐ NO ☐

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

**COC Received**
☒ YES ☐ NO

Emissivity: 0.97 Container: Pe Thermometer ID: 207
Temperature: (A) 4.0 °C / (C) 4.2 °C

Date/Time 8/13/14 BOS
Analyst Init MM

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT GENERAL MINERAL/ GENERAL | | | | | | | | | | |
| PT PE UNPRESERVED | | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT TOX | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | A(2) | | | | | |
| 40ml VOA VIAL | A(3) | A(3) | A(3) | A(2) | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) |
| QT EPA 413.1, 413.2, 418.1 | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608/8080 | | | | | | | | | | |
| QT EPA 515.1/8150 | | | | | | | | | | |
| QT EPA 525 | | | | | | | | | | |
| QT EPA 525 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz Amber EPA 548 | | | | | | | | | | |
| QT EPA 549 | | | | | | | | | | |
| QT EPA 632 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT AMBER | | | | | | | | | | |
| 8 OZ. JAR | | | | | | | | | | |
| 32 OZ. JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| Summa Canister | | | | | | | | | | |

Comments:
Sample Numbering Completed By: MM Date/Time: 8/13/14@1900 [S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC16
A = Actual / C = Corrected

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Submission #: 14-18652

**SHIPPING INFORMATION**
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

**FREE LIQUID**
YES ☐ NO ☐

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: Pe Thermometer ID: 207 Date/Time 8/13/14 805
Temperature: (A) 0.4 °C / (C) 0.4 °C Analyst Init MM

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 6 | 7 | 9 | 11 | 12 | 13 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT GENERAL MINERAL/ GENERAL | | B | | | | | | | | |
| ~~PT~~ PE UNPRESERVED 8OZ | | | | B | B | B | B | B | B | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT INORGANIC CHEMICAL METALS | | C | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT TOX | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) |
| QT EPA 413.1, 413.2, 418.1 | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608/8080 | | | | | | | | | | |
| QT EPA 515.1/8150 | | | | | | | | | | |
| QT EPA 525 | | | | | | | | | | |
| QT EPA 525 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz Amber EPA 548 | | | | | | | | | | |
| QT EPA 549 | | | | | | | | | | |
| QT EPA 632 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT AMBER | | DEFGH | GH | | | | | | | |
| 8 OZ. JAR | | | | | | | | | | |
| 32 OZ. JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| Summa Canister | | | | | | | | | | |

Comments:
Sample Numbering Completed By: MM Date/Time: 8/13/14 @ 1900 [S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC16
A = Actual / C = Corrected

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| **14189-0N61** | **C( C 5umberL** | Hh | **ReMeiUe 3ateL** | 02/1O/J014 12:03 |
| | **yroveMt 5umberL** | Hh | **SamplinP 3ateL** | 02/1J/J014 11:J3 |
| | **SamplinP j oMationL** | Hh | **Sample 3ept. L** | Hh |
| | **SamplinP yointL** | NND | **j ab 2atriWL** | C ater |
| | **Sample) BgL** | Hh | **Sample TgpeL** | Aro, n75ater |
| | | | Netal 8nalysis: 1hdiel7 diltere7 an7 8ci7ifie7 | |
| **14189-0N60** | **C( C 5umberL** | Hh | **ReMeiUe 3ateL** | 02/1O/J014 12:03 |
| | **yroveMt 5umberL** | Hh | **SamplinP 3ateL** | 02/1J/J014 09:40 |
| | **SamplinP j oMationL** | Hh | **Sample 3ept. L** | Hh |
| | **SamplinP yointL** | K2h4 | **j ab 2atriWL** | C ater |
| | **Sample) BgL** | Hh | **Sample TgpeL** | Aro, n75ater |
| | | | Netal 8nalysis: 1hdiel7 diltere7 an7 8ci7ifie7 | |
| **14189-0N6Q** | **C( C 5umberL** | Hh | **ReMeiUe 3ateL** | 02/1O/J014 12:03 |
| | **yroveMt 5umberL** | Hh | **SamplinP 3ateL** | 02/1J/J014 10:43 |
| | **SamplinP j oMationL** | Hh | **Sample 3ept. L** | Hh |
| | **SamplinP yointL** | K1J | **j ab 2atriWL** | C ater |
| | **Sample) BgL** | Hh | **Sample TgpeL** | Aro, n75ater |
| | | | Netal 8nalysis: 1hdiel7 diltere7 an7 8ci7ifie7 | |
| **14189-0N64** | **C( C 5umberL** | Hh | **ReMeiUe 3ateL** | 02/1O/J014 12:03 |
| | **yroveMt 5umberL** | Hh | **SamplinP 3ateL** | 02/1J/J014 14:10 |
| | **SamplinP j oMationL** | Hh | **Sample 3ept. L** | Hh |
| | **SamplinP yointL** | K1Ch4 | **j ab 2atriWL** | C ater |
| | **Sample) BgL** | Hh | **Sample TgpeL** | Aro, n75ater |
| | | | Netal 8nalysis: 1hdiel7 diltere7 an7 8ci7ifie7 | |
| **14189-0N6-** | **C( C 5umberL** | Hh | **ReMeiUe 3ateL** | 02/1O/J014 12:03 |
| | **yroveMt 5umberL** | Hh | **SamplinP 3ateL** | 02/1J/J014 13:03 |
| | **SamplinP j oMationL** | Hh | **Sample 3ept. L** | Hh |
| | **SamplinP yointL** | KCh4 | **j ab 2atriWL** | C ater |
| | **Sample) BgL** | Hh | **Sample TgpeL** | Aro, n75ater |
| **14189-0N69** | **C( C 5umberL** | Hh | **ReMeiUe 3ateL** | 02/1O/J014 12:03 |
| | **yroveMt 5umberL** | Hh | **SamplinP 3ateL** | 02/1J/J014 1J:O8 |
| | **SamplinP j oMationL** | Hh | **Sample 3ept. L** | Hh |
| | **SamplinP yointL** | K1ChJ | **j ab 2atriWL** | C ater |
| | **Sample) BgL** | Hh | **Sample TgpeL** | Aro, n75ater |

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**Reporte) L** 09/02/J014 10:02
**Wrolect:** Rialto Werczlorate Mvestigaton
**Wrolect K, mber:** J01Ch0100
**Wrolect Nanager:** Gason Sapp

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| **14189-0N6A** | **C( C 5umberL** | Hth | **ReMeiUe 3ateL** | 02/1O/J014 12:03 |
| | **yroveMt 5umberL** | Hth | **SamplinP 3ateL** | 02/1J/J014 1J:30 |
| | **SamplinP j oMationL** | Hth | **Sample 3ept. L** | Hth |
| | **SamplinP yointL** | K16hu | **j ab 2atriWL** | C ater |
| | **Sample) BgL** | Hth | **Sample TgpeL** | Aro, n75ater |
| **14189-0N68** | **C( C 5umberL** | Hth | **ReMeiUe 3ateL** | 02/1O/J014 12:03 |
| | **yroveMt 5umberL** | Hth | **SamplinP 3ateL** | 02/1J/J014 1Q.J0 |
| | **SamplinP j oMationL** | Hth | **Sample 3ept. L** | Hth |
| | **SamplinP yointL** | K16HP1 | **j ab 2atriWL** | C ater |
| | **Sample) BgL** | Hth | **Sample TgpeL** | Aro, n75ater |
| **14189-0N67** | **C( C 5umberL** | Hth | **ReMeiUe 3ateL** | 02/1O/J014 12:03 |
| | **yroveMt 5umberL** | Hth | **SamplinP 3ateL** | 02/1J/J014 1Q.43 |
| | **SamplinP j oMationL** | Hth | **Sample 3ept. L** | Hth |
| | **SamplinP yointL** | K16HPJ | **j ab 2atriWL** | C ater |
| | **Sample) BgL** | Hth | **Sample TgpeL** | Aro, n75ater |
| **14189-0N16** | **C( C 5umberL** | Hth | **ReMeiUe 3ateL** | 02/1O/J014 12:03 |
| | **yroveMt 5umberL** | Hth | **SamplinP 3ateL** | 02/1J/J014 09:33 |
| | **SamplinP j oMationL** | Hth | **Sample 3ept. L** | Hth |
| | **SamplinP yointL** | K19Rhu | **j ab 2atriWL** | C ater |
| | **Sample) BgL** | Hth | **Sample TgpeL** | Aro, n75ater |
| **14189-0N11** | **C( C 5umberL** | Hth | **ReMeiUe 3ateL** | 02/1O/J014 12:03 |
| | **yroveMt 5umberL** | Hth | **SamplinP 3ateL** | 02/1J/J014 10:30 |
| | **SamplinP j oMationL** | Hth | **Sample 3ept. L** | Hth |
| | **SamplinP yointL** | K19RHP1 | **j ab 2atriWL** | C ater |
| | **Sample) BgL** | Hth | **Sample TgpeL** | Aro, n75ater |
| **14189-0N10** | **C( C 5umberL** | Hth | **ReMeiUe 3ateL** | 02/1O/J014 12:03 |
| | **yroveMt 5umberL** | Hth | **SamplinP 3ateL** | 02/1J/J014 11:03 |
| | **SamplinP j oMationL** | Hth | **Sample 3ept. L** | Hth |
| | **SamplinP yointL** | K19RHPJ | **j ab 2atriWL** | C ater |
| | **Sample) BgL** | Hth | **Sample TgpeL** | Aro, n75ater |
| **14189-0N1Q** | **C( C 5umberL** | Hth | **ReMeiUe 3ateL** | 02/1O/J014 12:03 |
| | **yroveMt 5umberL** | Hth | **SamplinP 3ateL** | 02/1J/J014 00:00 |
| | **SamplinP j oMationL** | Hth | **Sample 3ept. L** | Hth |
| | **SamplinP yointL** | KHD) W | **j ab 2atriWL** | C ater |
| | **Sample) BgL** | Hth | **Sample TgpeL** | Aro, n75ater |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Cr0100
Wrolect Nanager: Gason Sapp

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| **14189-0N14** | **C( C 5umberL** | Hh | **ReMeiUe 3ateL** | 02/1O/J014 12:03 |
| | **yroveMt 5umberL** | Hh | **SamplinP 3ateL** | 02/1J/J014 00:00 |
| | **SamplinP j oMationL** | Hh | **Sample 3ept. L** | Hh |
| | **SamplinP yointL** | QP8u | **j ab 2atriWL** | C ater |
| | **Sample) BgL** | Hh | **Sample TgpeL** | ulanI C ater |
| **14189-0N1-** | **C( C 5umberL** | Hh | **ReMeiUe 3ateL** | 02/1O/J014 12:03 |
| | **yroveMt 5umberL** | Hh | **SamplinP 3ateL** | 02/1J/J014 00:00 |
| | **SamplinP j oMationL** | Hh | **Sample 3ept. L** | Hh |
| | **SamplinP yointL** | QPTu | **j ab 2atriWL** | C ater |
| | **Sample) BgL** | Hh | **Sample TgpeL** | ulanI C ater |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh01 | **Client Sample 5 ameL** NMj 2/1J/J014 11:J3:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen; ene | KD | , g/L | 0E30 | 0E02O | EW8h3J4B | KD | | 1 |
| uromoben; ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8h3J4B | KD | | 1 |
| nhu, tylben; ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| sechu, tylben; ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| terthu, tylben; ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| Pzloroben; ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| Pzloroform | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8h3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJhDibromohOhczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroben; ene | KD | , g/L | 0E30 | 0E0. J | EW8h3J4B | KD | | 1 |
| 1jOhDiczloroben; ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1j4hDiczloroben; ene | KD | , g/L | 0E30 | 0E06J | EW8h3J4B | KD | | 1 |
| Diczloro7ifl, orometzane | KD | , g/L | 0E30 | 0E099 | EW8h3J4B | KD | | 1 |
| 1j1hDiczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| 1j1hDiczloroetzene | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jOhDiczloropropane | KD | , g/L | 0E30 | 0E026 | EW8h3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# c olatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh01 | **Client Sample 5 ameL** N Mj 2/1J/J014 11:J3:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDiczloropropene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| transh1jChDiczloropropene | KD | , g/L | 0E30 | 0E0. 9 | EW8h3J4B | KD | | 1 |
| Etzylben; ene | KD | , g/L | 0E30 | 0E092 | EW8h3J4B | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| Mopropylben; ene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| N etzylene czlori7e | KD | , g/L | 0E30 | 0E42 | EW8h3J4B | KD | | 1 |
| N etzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Kapztzalene | KD | , g/L | 0E30 | 0E06 | EW8h3J4B | KD | | 1 |
| nhWopylben; ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Styrene | KD | , g/L | 0E30 | 0E062 | EW8h3J4B | KD | | 1 |
| 1j1j1jJhTetraczloroetzane | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| 1j1jJjJhTetraczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| Tetraczloroetzene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| Tol, ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| 1jJjChTriczloroben; ene | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| 1jJj4hTriczloroben; ene | KD | , g/L | 0E30 | 0E19 | EW8h3J4B | KD | | 1 |
| 1j1j1hTriczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczloroetzane | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| **TriM loroet. ene** | **8'9** | **uP/j** | **6'- 6** | **6'68-** | **dy ON 04'0** | KD | | 1 |
| Triczlorofl, orometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJjChTriczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczloroh1jJjJhtrifl, oroetzane | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJj4hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 1jCj3hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 8cetone | KD | , g/L | 10 | 4E6 | EW8h3J4B | KD | | 1 |
| 8crylonitrile | KD | , g/L | 3E0 | 1E1 | EW8h3J4B | KD | U01jU11 | 1 |
| 8llyl czlori7e | KD | , g/L | 3E0 | 0E20 | EW8h3J4B | KD | | 1 |
| thB myl N etzyl etzer | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9E4 | EW8h3J4B | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1E0 | 0E02 | EW8h3J4B | KD | | 1 |
| transh1j4hDiczlorohJhb, tene | KD | , g/L | 3E0 | 1E4 | EW8h3J4B | KD | | 1 |

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Reporte) L 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

BCj Sample I3 L 141263Jh01 | Client Sample 5 ameL NMj 2/1J/J014 11:J3:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4B0 | 0B9. | EW8h3J4B3 | KD | | 1 |
| Etzyl thb, tyl etzer | KD | , g/L | 0B30 | 0B12 | EW8h3J4B3 | KD | | 1 |
| JhHexanone | KD | , g/L | 10 | OB4 | EW8h3J4B3 | KD | | 1 |
| Netzacrylonitrile | KD | , g/L | 10 | 1B | EW8h3J4B3 | KD | | 1 |
| Netzyl etzyl I etone | KD | , g/L | 10 | JB3 | EW8h3J4B3 | KD | | 1 |
| Netzyl io7i7e | KD | , g/L | JB0 | 0B4. | EW8h3J4B3 | KD | | 1 |
| Netzyl isob, tyl I etone | KD | , g/L | 10 | JB1 | EW8h3J4B3 | KD | | 1 |
| Netzyl metzacrylate | KD | , g/L | 3B0 | 1B3 | EW8h3J4B3 | KD | | 1 |
| Kitroben; ene | KD | , g/L | O0 | 1O | EW8h3J4B3 | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JB0 | 0B4O | EW8h3J4B3 | KD | U01jU11 | 1 |
| Wropionitrile | KD | , g/L | J0 | 4B3 | EW8h3J4B3 | KD | | 1 |
| Tetrazy7rof, ran | KD | , g/L | J0 | 3B3 | EW8h3J4B3 | KD | | 1 |
| ph& mhwylenes | KD | , g/L | 0B30 | 0B12 | EW8h3J4B3 | KD | | 1 |
| ohwylene | KD | , g/L | 0B30 | 0B02J | EW8h3J4B3 | KD | | 1 |
| 1jJhDiczloroetzaneh74 FS, rrogateX | 106 | % | . 3 h1J3 FLPL h) PLX | | EW8h3J4B3 | | | 1 |
| Tol, eneh72 FS, rrogateX | 99B3 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4B3 | | | 1 |
| 4hu romofl, oroben; ene FS, rrogateX | 2. B0 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4B3 | | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h3J4B3 | 02/13/14 | 02/16/14 1. :O3 | GPP | NShU14 | 1 | uwH14O4 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

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**BCj Sample I3 L** 141263Jh01 | **Client Sample 5 ameL** N N0j 2/1J/J014 11:J3:008 N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| 8I7rin | KD | , g/L | 0E0030 | 0E001O | EW8h2020 | KD | | 1 |
| alpzahu HP | KD | , g/L | 0E0030 | 0E0011 | EW8h2020 | KD | | 1 |
| betahu HP | KD | , g/L | 0E0030 | 0E00J1 | EW8h2020 | KD | | 1 |
| 7eltahu HP | KD | , g/L | 0E0030 | 0E0014 | EW8h2020 | KD | | 1 |
| gammahu HP FLin7aneX | KD | , g/L | 0E0030 | 0E00094 | EW8h2020 | KD | | 1 |
| Pzlor7ane FTecznicalX | KD | , g/L | 0E30 | 0E02 | EW8h2020 | KD | | 1 |
| 4j4'hDDD | KD | , g/L | 0E0030 | 0E01. | EW8h2020 | KD | | 1 |
| 4j4'hDDE | KD | , g/L | 0E0030 | 0E0019 | EW8h2020 | KD | | 1 |
| 4j4'hDDT | KD | , g/L | 0E0030 | 0E000. 6 | EW8h2020 | KD | | 1 |
| Diel7rin | KD | , g/L | 0E0030 | 0E001J | EW8h2020 | KD | | 1 |
| En7os, lfan M | KD | , g/L | 0E0030 | 0E0016 | EW8h2020 | KD | | 1 |
| En7os, lfan NM | KD | , g/L | 0E0030 | 0E0014 | EW8h2020 | KD | | 1 |
| En7os, lfan s, lfate | KD | , g/L | 0E0030 | 0E00J6 | EW8h2020 | KD | | 1 |
| En7rin | KD | , g/L | 0E0030 | 0E0002J | EW8h2020 | KD | | 1 |
| En7rin al7ezy7e | KD | , g/L | 0E010 | 0E00QJ | EW8h2020 | KD | | 1 |
| Heptaczlor | KD | , g/L | 0E0030 | 0E001J | EW8h2020 | KD | | 1 |
| Heptaczlor epoxi7e | KD | , g/L | 0E0030 | 0E00099 | EW8h2020 | KD | | 1 |
| N etzoxyczlor | KD | , g/L | 0E0030 | 0E0011 | EW8h2020 | KD | | 1 |
| Toxapzene | KD | , g/L | JE0 | 0E4J | EW8h2020 | KD | | 1 |
| WPuh1016 | KD | , g/L | 0E10 | 0E043 | EW8h2020 | KD | | 1 |
| WPuh1JJ1 | KD | , g/L | 0E10 | 0E0. 0 | EW8h2020 | KD | | 1 |
| WPuh1JQJ | KD | , g/L | 0E10 | 0E021 | EW8h2020 | KD | | 1 |
| WPuh1J4J | KD | , g/L | 0E10 | 0E063 | EW8h2020 | KD | | 1 |
| WPuh1J42 | KD | , g/L | 0E10 | 0E023 | EW8h2020 | KD | | 1 |
| WPuh1J34 | KD | , g/L | 0E10 | 0E0. . | EW8h2020 | KD | | 1 |
| WPuh1J60 | KD | , g/L | 0E10 | 0E060 | EW8h2020 | KD | | 1 |
| Total WPu's FS, mmationX | KD | , g/L | 0E10 | 0E10 | EW8h2020 | KD | | 1 |
| TPN w FS, rrogateX | 104 | % | 40 h140 FLPL h) PLX | | EW8h2020 | | | 1 |
| Decaczlorobipzenyl FS, rrogateX | 93B | % | 40 h1J0 FLPL h) PLX | | EW8h2020 | | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h2020 | 02/16/14 | 02/J1/14 1Q:09 | UH1 | APh14 | 1 | uwH1619 |

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| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) L** 09/02/J014 10:02<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Cr0100<br>Wrolect Nanager: Gason Sapp |

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| | |
|---|---|
| **BCj Sample I3 L** 141263Jr01 | **Client Sample 5 ameL** NMj 2/1J/J014 11:J3:008N |

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| 8; inpzos metzyl | KD | , g/L | 0E10 | 0E033 | EW8h2141u | KD | | 1 |
| uolstar | KD | , g/L | 0E10 | 0E033 | EW8h2141u | KD | | 1 |
| Pzlorpyrifos | KD | , g/L | 0E10 | 0E010 | EW8h2141u | KD | | 1 |
| Po, mapzos | KD | , g/L | 0E10 | 0E034 | EW8h2141u | KD | | 1 |
| Demeton q /S | KD | , g/L | 0E10 | 0E0J6 | EW8h2141u | KD | | 1 |
| Dia; inon | KD | , g/L | 0E10 | 0E044 | EW8h2141u | KD | | 1 |
| Diczlorvos | KD | , g/L | 0E10 | 0E0. 0 | EW8h2141u | KD | | 1 |
| Dis, lfoton | KD | , g/L | 0E30 | 0E0C9 | EW8h2141u | KD | | 1 |
| Etzoprop | KD | , g/L | 0E10 | 0E0J3 | EW8h2141u | KD | | 1 |
| dens, lfotzion | KD | , g/L | 0E10 | 0E022 | EW8h2141u | KD | | 1 |
| dentzion | KD | , g/L | 0E10 | 0E0CC | EW8h2141u | KD | | 1 |
| Nerpzos | KD | , g/L | 0E10 | 0E032 | EW8h2141u | KD | | 1 |
| Netzyl paratzion | KD | , g/L | 0E10 | 0E0. 4 | EW8h2141u | KD | | 1 |
| Nevinpzos | KD | , g/L | 0E10 | 0E03O | EW8h2141u | KD | | 1 |
| Kale7 | KD | , g/L | 0E10 | 0E0. J | EW8h2141u | KD | | 1 |
| Wzorate | KD | , g/L | 0E10 | 0E041 | EW8h2141u | KD | | 1 |
| Ronnel FdenczlorpzosX | KD | , g/L | 0E10 | 0E06. | EW8h2141u | KD | | 1 |
| Stiropzos FTetraczlorvinpzosX | KD | , g/L | 0E10 | 0E046 | EW8h2141u | KD | | 1 |
| Tol , tzion FWotziofosX | KD | , g/L | 0E10 | 0E0CJ | EW8h2141u | KD | | 1 |
| Triczloronate | KD | , g/L | 0E10 | 0E0C2 | EW8h2141u | KD | | 1 |
| Tripzenylpzospzate FS, rrogateX | 94E0 | % | 30 h140 FLPL h) PLX | | EW8h2141u | | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h2141u | 02/1. /14 | 02/J0/14 12:O1 | N( 1 | APh | 1 | uwH1. 64 |

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**BCj Sample I3 L** 141263Jh01 | **Client Sample 5 ameL** NMj 2/1J/J014 11:J3:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| Jj4hD | KD | , g/L | 0E40 | 0E063 | EW8h21318 | KD | | 1 |
| Jj4hDu | KD | , g/L | OE3 | 0E0J | EW8h21318 | KD | | 1 |
| Dalapon | KD | , g/L | 10 | JE4 | EW8h21318 | KD | | 1 |
| Dicamba | KD | , g/L | 0E020 | 0E0O | EW8h21318 | KD | | 1 |
| Diczloroprop | KD | , g/L | 0E30 | 0E01J | EW8h21318 | KD | | 1 |
| Dinoseb | KD | , g/L | 0E10 | 0E040 | EW8h21318 | KD | | 1 |
| Jj4j3hT | KD | , g/L | 0E090 | 0E01J | EW8h21318 | KD | | 1 |
| Jj4j3hTWFSilvexX | KD | , g/L | 0E0. 0 | 0E016 | EW8h21318 | KD | | 1 |
| Jj4hDiczloropzenylacetic aci7 FS, rrogateX | 3. E2 | % | C0 h140 FLPL h) PLX | | EW8h21318 | | | 1 |

| Run # | 2 et. o) | yrep 3ate | Run 3ate/Time | Onalgst | Instrument | 3ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h21318 | 02/12/14 | 02/J0/14 1. :06 | ml 1 | APh2 | 1 | uwH1291 |

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Wrolect N anager: Gason Sapp

# Base 5 eutral an) OM) dWraMtables ( rPaniMOnalgsis hdy O 2 et. o) 80A6CH

**BCj Sample I3 L** 141263Jh01 | **Client Sample 5 ameL** NMj 2/1J/J014 11:J3:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| 8 cenapztzene | KD | , g/L | JE0 | 0E34 | EW8h2J. 0P | KD | | 1 |
| 8 cenapztzylene | KD | , g/L | JE0 | 0E32 | EW8h2J. 0P | KD | | 1 |
| 8 I7rin | KD | , g/L | JE0 | 0E03 | EW8h2J. 0P | KD | | 1 |
| 8 niline | KD | , g/L | 3E0 | 0E69 | EW8h2J. 0P | KD | | 1 |
| 8 ntzracene | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| uen; i7ine | KD | , g/L | J0 | . E1 | EW8h2J. 0P | KD | | 1 |
| uen; o[a]antzracene | KD | , g/L | JE0 | 0E02 | EW8h2J. 0P | KD | | 1 |
| uen; o[b]fl, orantzene | KD | , g/L | JE0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| uen; o[l ]fl, orantzene | KD | , g/L | JE0 | 0E01 | EW8h2J. 0P | KD | | 1 |
| uen; o[a]pyrene | KD | , g/L | JE0 | 0E30 | EW8h2J. 0P | KD | | 1 |
| uen; o[gjzji]perylene | KD | , g/L | JE0 | 0E3J | EW8h2J. 0P | KD | | 1 |
| uen; oic aci7 | KD | , g/L | 10 | 3E2 | EW8h2J. 0P | KD | | 1 |
| uen; yl alcozol | KD | , g/L | JE0 | 0E04 | EW8h2J. 0P | KD | | 1 |
| uen; yl b, tyl pztzalate | KD | , g/L | JE0 | 0E4. | EW8h2J. 0P | KD | | 1 |
| alpzahu HP | KD | , g/L | JE0 | 0E3. | EW8h2J. 0P | KD | | 1 |
| betahu HP | KD | , g/L | JE0 | 0E3. | EW8h2J. 0P | KD | | 1 |
| 7eltahu HP | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| gammahu HP FLin7aneX | KD | , g/L | JE0 | 0E3J | EW8h2J. 0P | KD | | 1 |
| bisFJhPzloroetzoxyXmetzane | KD | , g/L | JE0 | 0E3. | EW8h2J. 0P | KD | | 1 |
| bisFJhPzloroetzylXetzer | KD | , g/L | JE0 | 0E62 | EW8h2J. 0P | KD | | 1 |
| bisFJhPzloroisopropylXetzer | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| bisFJhEtzylzexylXpztzalate | KD | , g/L | 3E0 | OE0 | EW8h2J. 0P | KD | | 1 |
| 4hu romopzenyl pzenyl etzer | KD | , g/L | JE0 | 0E3O | EW8h2J. 0P | KD | | 1 |
| 4hPzloroaniline | KD | , g/L | JE0 | 0E69 | EW8h2J. 0P | KD | | 1 |
| JhPzloronapztzalene | KD | , g/L | JE0 | 0E04 | EW8h2J. 0P | KD | | 1 |
| 4hPzloropzenyl pzenyl etzer | KD | , g/L | JE0 | 0E3O | EW8h2J. 0P | KD | | 1 |
| Pzrysene | KD | , g/L | JE0 | 0E6O | EW8h2J. 0P | KD | | 1 |
| 4j4'hDDD | KD | , g/L | JE0 | 0E42 | EW8h2J. 0P | KD | | 1 |
| 4j4'hDDE | KD | , g/L | OE0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| 4j4'hDDT | KD | , g/L | JE0 | 0E4O | EW8h2J. 0P | KD | | 1 |
| Diben; o[ajz]antzracene | KD | , g/L | OE0 | 0E36 | EW8h2J. 0P | KD | | 1 |
| Diben; of, ran | KD | , g/L | JE0 | 0E31 | EW8h2J. 0P | KD | | 1 |
| 1jJhDiczloroben; ene | KD | , g/L | JE0 | 0E0. | EW8h2J. 0P | KD | | 1 |

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Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# Base 5 eutral an) OM) dWraMtables ( rPaniMOnalgsis hdy O 2 et. o) 80A6CH

**BCj Sample I3 L** 141263Jh01 | **Client Sample 5 ameL** NMj 2/1J/J014 11:J3:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| 1jChDiczloroben; ene | KD | , g/L | JE0 | 0E03 | EW8h2J. 0P | KD | | 1 |
| 1j4hDiczloroben; ene | KD | , g/L | JE0 | 0E01 | EW8h2J. 0P | KD | | 1 |
| CjChDiczloroben; i7ine | KD | , g/L | 10 | 2E3 | EW8h2J. 0P | KD | | 1 |
| Diel7rin | KD | , g/L | C0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| Dietzyl pztzalate | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| Dimetzyl pztzalate | KD | , g/L | JE0 | 0E09 | EW8h2J. 0P | KD | | 1 |
| Dihmhb, tyl pztzalate | KD | , g/L | JE0 | 0E09 | EW8h2J. 0P | KD | | 1 |
| Jj4hDinitrotol, ene | KD | , g/L | JE0 | 0E36 | EW8h2J. 0P | KD | | 1 |
| Jj6hDinitrotol, ene | KD | , g/L | JE0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| Dihmhoctyl pztzalate | KD | , g/L | JE0 | 0E46 | EW8h2J. 0P | KD | | 1 |
| 1jJhDipzenylzy7ra; ine | KD | , g/L | JE0 | 0E04 | EW8h2J. 0P | KD | | 1 |
| En7os, lfan M | KD | , g/L | 10 | 1B | EW8h2J. 0P | KD | | 1 |
| En7os, lfan MM | KD | , g/L | 10 | 1E3 | EW8h2J. 0P | KD | | 1 |
| En7os, lfan s, lfate | KD | , g/L | C0 | 0E32 | EW8h2J. 0P | KD | | 1 |
| En7rin | KD | , g/L | JE0 | 1E1 | EW8h2J. 0P | KD | | 1 |
| En7rin al7ezy7e | KD | , g/L | 10 | 0E3J | EW8h2J. 0P | KD | | 1 |
| dI, orantzene | KD | , g/L | JE0 | 0E30 | EW8h2J. 0P | KD | | 1 |
| dI, orene | KD | , g/L | JE0 | 0E32 | EW8h2J. 0P | KD | | 1 |
| Heptaczlor | KD | , g/L | JE0 | 0E0J | EW8h2J. 0P | KD | | 1 |
| Heptaczlor epoxi7e | KD | , g/L | JE0 | 0E3. | EW8h2J. 0P | KD | | 1 |
| Hexaczloroben; ene | KD | , g/L | JE0 | 0E30 | EW8h2J. 0P | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | JE0 | 0E34 | EW8h2J. 0P | KD | | 1 |
| Hexaczlorocyclopenta7iene | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| Hexaczloroetzane | KD | , g/L | JE0 | 0E0J | EW8h2J. 0P | KD | | 1 |
| M7eno[1jJjChc7]pyrene | KD | , g/L | JE0 | 0E36 | EW8h2J. 0P | KD | | 1 |
| Mopzorone | KD | , g/L | JE0 | 0E01 | EW8h2J. 0P | KD | | 1 |
| JhNetzylnapztzalene | KD | , g/L | JE0 | 0E32 | EW8h2J. 0P | KD | | 1 |
| Kapztzalene | KD | , g/L | JE0 | 0E31 | EW8h2J. 0P | KD | | 1 |
| JhKapztzylamine | KD | , g/L | J0 | 4E2 | EW8h2J. 0P | KD | | 1 |
| JhKitroaniline | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| ChKitroaniline | KD | , g/L | JE0 | 0E66 | EW8h2J. 0P | KD | | 1 |
| 4hKitroaniline | KD | , g/L | 3E0 | 0E2. | EW8h2J. 0P | KD | | 1 |
| Kitroben; ene | KD | , g/L | JE0 | 0E36 | EW8h2J. 0P | KD | | 1 |

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# Base 5eutral an) OM) dWraMtables ( rPaniMOnalgsis hdy O 2et. o) 80A6CH

| **BCj Sample I3L** 141263Jh01 | **Client Sample 5ameL** NMj 2/1J/J014 11:J3:008N |
|---|---|

| Constituent | Result | Enits | yVj | 2 3j | 2et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| KhKitroso7imetzylamine | KD | , g/L | JE0 | 0E61 | EW8h2J. 0P | KD | | 1 |
| KhKitroso7ihKhpropylamine | KD | , g/L | JE0 | 1E0 | EW8h2J. 0P | KD | | 1 |
| KhKitroso7ipzenylamine | KD | , g/L | JE0 | 0E44 | EW8h2J. 0P | KD | | 1 |
| Wzenantzrene | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| Wyrene | KD | , g/L | JE0 | 0E16 | EW8h2J. 0P | KD | | 1 |
| 1jJj4hTriczloroben; ene | KD | , g/L | JE0 | 0E1. | EW8h2J. 0P | KD | | 1 |
| 4hPzlorohOmetzylpzenol | KD | , g/L | 3E0 | 0E40 | EW8h2J. 0P | KD | | 1 |
| JhPzloropzenol | KD | , g/L | JE0 | 0E0 | EW8h2J. 0P | KD | | 1 |
| Jj4hDiczloropzenol | KD | , g/L | JE0 | 0E4O | EW8h2J. 0P | KD | | 1 |
| Jj4hDimetzylpzenol | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| 4j6hDinitrohJhmetzylpzenol | KD | , g/L | 10 | 0E04 | EW8h2J. 0P | KD | | 1 |
| Jj4hDinitropzenol | KD | , g/L | 10 | 0E10 | EW8h2J. 0P | KD | | 1 |
| JhNetzylpzenol | KD | , g/L | JE0 | 1E0 | EW8h2J. 0P | KD | | 1 |
| Ch& 4hNetzylpzenol | KD | , g/L | JE0 | 1E6 | EW8h2J. 0P | KD | | 1 |
| JhKitropzenol | KD | , g/L | JE0 | 0E12 | EW8h2J. 0P | KD | | 1 |
| 4hKitropzenol | KD | , g/L | JE0 | 0B O | EW8h2J. 0P | KD | | 1 |
| Wentaczloropzenol | KD | , g/L | 10 | 0B 9 | EW8h2J. 0P | KD | | 1 |
| Wzenol | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| Jj4j3hTriczloropzenol | KD | , g/L | 3E0 | 0E01 | EW8h2J. 0P | KD | | 1 |
| Jj4j6hTriczloropzenol | KD | , g/L | 3E0 | 0E60 | EW8h2J. 0P | KD | | 1 |
| JhdI, oropzenol FS, rrogateX | 32E1 | % | C0 h1J0 | FLPL h) PLX | EW8h2J. 0P | | | 1 |
| Wzenolh73 FS, rrogateX | 46E0 | % | 1J h110 | FLPL h) PLX | EW8h2J. 0P | | | 1 |
| Kitroben; enehh73 FS, rrogateX | 101 | % | 60 h1C0 | FLPL h) PLX | EW8h2J. 0P | | | 1 |
| JhdI, orobipzenyl FS, rrogateX | 20E6 | % | 33 h1J3 | FLPL h) PLX | EW8h2J. 0P | | | 1 |
| Jj4j6hTribromopzenol FS, rrogateX | 92E4 | % | 40 h130 | FLPL h) PLX | EW8h2J. 0P | | | 1 |
| phTerpzenylh714 FS, rrogateX | 24E1 | % | 40 h130 | FLPL h) PLX | EW8h2J. 0P | | | 1 |

| Run # | 2et. o) | yrep 3ate | Run 3ate/Time | Onalgst | Instrument | 3ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h2J. 0P | 02/19/14 | 02/J6/14 13:14 | UH1 | NShu1 | 1 | uwHJ3C0 |

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|---|---|
| **BCj Sample I3 L** 141263Jr01 | **Client Sample 5 ameL** NN0j 2/1J/J014 11:J3:008N |

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| KrKitroso7imetzylamine | KD | , g/L | 0E010 | 0E00C0 | EW8r2J. 0PrSNN KDN8 | KD | | 1 |
| Kapztzalenehr72 FS, rrogateX | . 3E3 | % | 63 h14J FLPL h) PLX | | EW8r2J. 0PrSNN KDN8 | | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8r2J. 0PrSNN KDN8 | 02/12/14 | 02/J6/14 J1:10 | N( 1 | NShu4 | 1E010 | uwHJ34J |

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| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) L** 09/02/J014 10:02<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Ch0100<br>Wrolect Nanager: Gason Sapp |

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| **BCj Sample I3 L** 141263Jh01 | **Client Sample 5 ameL** NMj 2/1J/J014 11:J3:008N |
|---|---|

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| **3 issolUe) CalMum** | **96** | **mP/j** | **6'16** | **6'619** | **dyONO616B** | KD | | 1 |
| **3 issolUe) 2 aPnesium** | **8'1** | **mP/j** | **6'6-6** | **6'617** | **dyONO616B** | KD | | 1 |
| **3 issolUe) So) ium** | **10** | **mP/j** | **6'-6** | **6'6-1** | **dyONO616B** | 0B93 | | 1 |
| **3 issolUe) yotassium** | **0'7** | **mP/j** | **1'6** | **6'16** | **dyONO616B** | 0B11 | | 1 |
| Hy7roxi7e | KD | mg/L | 1B4 | 1B4 | EW8hO10B1 | KD | | J |
| **Total OlJalinitg as CaC( Q** | **1-6** | **mP/j** | **4'1** | **4'1** | **dyONQ16'1** | KD | | J |
| **C. lori) e** | **9'Q** | **mP/j** | **6'-6** | **6'69A** | **dyONQ66'6** | KD | | O |
| **5 itrate as 5** | **A'1** | **mP/j** | **6'16** | **6'60-** | **dyONQ66'6** | KD | | O |
| **Sulfate** | **10** | **mP/j** | **1'6** | **6'18** | **dyONQ66'6** | KD | | O |
| **3 issolUe) Dar) ness as CaC( Q** | **186** | **mP/j** | **6'-6** | **6'16** | **CalM** | KD | | 4 |
| **Total 3 issolUe) Soli) s k 186 C** | **0Q6** | **mP/j** | **06** | **06** | **dyONI96'1** | KD | | 3 |
| Nu8S | KD | mg/L | 0B10 | 0B013 | EW8h4J3B1 | KD | | 6 |
| **yerM lorate** | **18** | **uP/j** | **4'6** | **6'4-** | **dyONQ14'6** | KD | | . |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h6010u | 02/1J/14 | 02/12/14 11:J2 | 8RD | WEhq W1 | 1 | uwH1O13 |
| J | EW8hO10B1 | 02/12/14 | 02/12/14 16:16 | RNL | NETh1 | 1 | uwH132O |
| O | EW8hO00B0 | 02/1O/14 | 02/14/14 0J:J4 | qLH | NPJ | 1 | uwH1J44 |
| 4 | Palc | 02/13/14 | 02/J9/14 11:Q | TNS | Palc | 1 | uwH1Q4 |
| 3 | EW8h160B1 | 02/12/14 | 02/12/14 1J:O0 | P8D | N8K) 8L | J | uwH13. 3 |
| 6 | EW8h4J3B1 | 02/14/14 | 02/14/14 09:00 | GNK | N8K) 8L | 1 | uwH1J29 |
| . | EW8hO14B0 | 02/O1/14 | 09/01/14 10:1J | qLH | NP6 | 1 | uwM00J |

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| **BCj Sample I3 L** 141263Jh01 | **Client Sample 5 ameL** NMj 2/1J/J014 11:J3:008N |
|---|---|

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| Dissolve7 8ntimony | KD | , g/L | 100 | 4B9 | EW8h6010u | KD | | 1 |
| **3 issolUe) OrseniM** | **11** | **uP/j** | **-6** | **7'0** | **dyON9616B** | 11 | @ | 1 |
| **3 issolUe) Barium** | **04** | **uP/j** | **16** | **Q-** | **dyON9616B** | KD | | 1 |
| Dissolve7 uerylli, m | KD | , g/L | 10 | 0B30 | EW8h6010u | KD | | 1 |
| Dissolve7 Pa7mi, m | KD | , g/L | 10 | 1B1 | EW8h6010u | KD | | 1 |
| **3 issolUe) C. romium** | **1'4** | **uP/j** | **16** | **1'6** | **dyON9616B** | KD | @ | 1 |
| **3 issolUe) Cobalt** | **1'4** | **uP/j** | **-6** | **1'1** | **dyON9616B** | KD | @ | 1 |
| Dissolve7 Popper | KD | , g/L | 10 | 1B0 | EW8h6010u | KD | | 1 |
| Dissolve7 Lea7 | KD | , g/L | 30 | OB3 | EW8h6010u | KD | | 1 |
| Dissolve7 Nerc, ry | KD | , g/L | 0B10 | 0B0OO | EW8h 4. 08 | KD | | J |
| **3 issolUe) 2 olgb) enum** | **18** | **uP/j** | **-6** | **1'4** | **dyON9616B** | KD | @ | 1 |
| Dissolve7 Kicl el | KD | , g/L | 10 | JB4 | EW8h6010u | KD | | 1 |
| Dissolve7 Seleni, m | KD | , g/L | 100 | 13 | EW8h6010u | KD | | 1 |
| Dissolve7 Silver | KD | , g/L | 10 | 1B1 | EW8h6010u | KD | | 1 |
| Dissolve7 Tzalli, m | KD | , g/L | 100 | 10 | EW8h6010u | KD | | 1 |
| **3 issolUe) cana) ium** | **0'A** | **uP/j** | **16** | **0'0** | **dyON9616B** | KD | @ | 1 |
| Dissolve7 Zinc | KD | , g/L | 10 | 3B0 | EW8h6010u | KD | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h6010u | 02/1J/14 | 02/12/14 11:J2 | 8RD | WEhq W1 | 1 | uwH1O13 |
| J | EW8h 4. 08 | 02/13/14 | 02/19/14 11:41 | NEU | PET8P1 | 1 | uwH1O40 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# c olatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh0J | **Client Sample 5 ameL** K2h4j 2/1J/J014 9:40:008 N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen; ene | KD | , g/L | 0E30 | 0E02O | EW8 r3J4B | KD | | 1 |
| uromoben; ene | KD | , g/L | 0E30 | 0E1O | EW8 r3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8 r3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8 r3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8 r3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8 r3J4B | KD | | 1 |
| nhu, tylben; ene | KD | , g/L | 0E30 | 0E11 | EW8 r3J4B | KD | | 1 |
| sechu, tylben; ene | KD | , g/L | 0E30 | 0E13 | EW8 r3J4B | KD | | 1 |
| terthu, tylben; ene | KD | , g/L | 0E30 | 0E1O | EW8 r3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8 r3J4B | KD | | 1 |
| Pzloroben; ene | KD | , g/L | 0E30 | 0E09O | EW8 r3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8 r3J4B | KD | | 1 |
| **C. loroform** | **6'A1** | **uP/j** | **6'- 6** | **6'10** | **dy ON 04'0** | KD | | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8 r3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8 r3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8 r3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8 r3J4B | KD | | 1 |
| 1jJhDibromohOhczloropropane | KD | , g/L | 1E0 | 0E44 | EW8 r3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E16 | EW8 r3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8 r3J4B | KD | | 1 |
| 1jJhDiczloroben; ene | KD | , g/L | 0E30 | 0E0. J | EW8 r3J4B | KD | | 1 |
| 1jOhDiczloroben; ene | KD | , g/L | 0E30 | 0E13 | EW8 r3J4B | KD | | 1 |
| 1j4hDiczloroben; ene | KD | , g/L | 0E30 | 0E06J | EW8 r3J4B | KD | | 1 |
| Diczloro7ifl, orometzane | KD | , g/L | 0E30 | 0E099 | EW8 r3J4B | KD | | 1 |
| 1j1hDiczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8 r3J4B | KD | | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8 r3J4B | KD | | 1 |
| 1j1hDiczloroetzene | KD | , g/L | 0E30 | 0E12 | EW8 r3J4B | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8 r3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8 r3J4B | KD | | 1 |
| 1jJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8 r3J4B | KD | | 1 |
| 1jOhDiczloropropane | KD | , g/L | 0E30 | 0E026 | EW8 r3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8 r3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8 r3J4B | KD | | 1 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# c olatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh0J | **Client Sample 5 ameL** K2h4j 2/1J/J014 9:40:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDiczloropropene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| transh1jChDiczloropropene | KD | , g/L | 0E30 | 0E0. 9 | EW8h3J4B | KD | | 1 |
| Etzylben; ene | KD | , g/L | 0E30 | 0E092 | EW8h3J4B | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| Mopropylben; ene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| N etzylene czlori7e | KD | , g/L | 0E30 | 0E42 | EW8h3J4B | KD | | 1 |
| N etzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Kapztzalene | KD | , g/L | 0E30 | 0E06 | EW8h3J4B | KD | | 1 |
| nhWopylben; ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Styrene | KD | , g/L | 0E30 | 0E062 | EW8h3J4B | KD | | 1 |
| 1j1j1jJhTetraczloroetzane | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| 1j1jJjJhTetraczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| **TetraM loroet. ene** | **1'A** | **uP/j** | **6'- 6** | **6'1Q** | **dyON 04'0** | KD | | 1 |
| Tol, ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| 1jJjChTriczloroben; ene | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| 1jJj4hTriczloroben; ene | KD | , g/L | 0E30 | 0E19 | EW8h3J4B | KD | | 1 |
| 1j1j1hTriczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczloroetzane | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| **TriM loroet. ene** | **11** | **uP/j** | **6'- 6** | **6'68-** | **dyON 04'0** | KD | | 1 |
| Triczlorofl, orometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJjChTriczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczlorohjJjJhtrifl, oroetzane | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJj4hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 1jCj3hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 8cetone | KD | , g/L | 10 | 4E6 | EW8h3J4B | KD | | 1 |
| 8crylonitrile | KD | , g/L | 3E0 | 1E | EW8h3J4B | KD | U01jU11 | 1 |
| 8llyl czlori7e | KD | , g/L | 3E0 | 0E20 | EW8h3J4B | KD | | 1 |
| thB myl N etzyl etzer | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9E4 | EW8h3J4B | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1E0 | 0E02 | EW8h3J4B | KD | | 1 |
| transh1j4hDiczlorohJhb, tene | KD | , g/L | 3E0 | 1E4 | EW8h3J4B | KD | | 1 |

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# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

| **BCj Sample I3 L** 141263Jh0J | **Client Sample 5 ameL** K2h4j 2/1J/J014 9:40:008N |
|---|---|

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4E0 | 0E9. | EW8h3J4E3 | KD | | 1 |
| Etzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E12 | EW8h3J4E3 | KD | | 1 |
| JhHexanone | KD | , g/L | 10 | OE4 | EW8h3J4E3 | KD | | 1 |
| Netzacrylonitrile | KD | , g/L | 10 | 1B | EW8h3J4E3 | KD | | 1 |
| Netzyl etzyl I etone | KD | , g/L | 10 | JE3 | EW8h3J4E3 | KD | | 1 |
| Netzyl io7i7e | KD | , g/L | JE0 | 0E4. | EW8h3J4E3 | KD | | 1 |
| Netzyl isob, tyl I etone | KD | , g/L | 10 | JE1 | EW8h3J4E3 | KD | | 1 |
| Netzyl metzacrylate | KD | , g/L | 3E0 | 1E3 | EW8h3J4E3 | KD | | 1 |
| Kitroben; ene | KD | , g/L | O0 | 1O | EW8h3J4E3 | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JE0 | 0E4O | EW8h3J4E3 | KD | U01jU11 | 1 |
| Wropionitrile | KD | , g/L | J0 | 4E3 | EW8h3J4E3 | KD | | 1 |
| Tetrazy7rof, ran | KD | , g/L | J0 | 3E3 | EW8h3J4E3 | KD | | 1 |
| ph& mhwylenes | KD | , g/L | 0E30 | 0E12 | EW8h3J4E3 | KD | | 1 |
| ohwylene | KD | , g/L | 0E30 | 0E02J | EW8h3J4E3 | KD | | 1 |
| 1jJhDiczloroetzaneh74 FS, rrogateX | 10. | % | . 3 h1J3 FLPL h) PLX | | EW8h3J4E3 | | | 1 |
| Tol, eneh72 FS, rrogateX | 9. B | % | 20 h1J0 FLPL h) PLX | | EW8h3J4E3 | | | 1 |
| 4hu romofl, oroben; ene FS, rrogateX | 26E4 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4E3 | | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h3J4E3 | 02/13/14 | 02/16/14 1. :32 | GPP | NShU14 | 1 | uwH14O4 |

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| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) L** 09/02/J014 10:02<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Ch0100<br>Wrolect Nanager: Gason Sapp |

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| **BCj Sample I3 L** 141263Jh0J | **Client Sample 5 ameL** K2h4j 2/1J/J014 9:40:008N |
|---|---|

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| 8I7rin | KD | , g/L | 0E0030 | 0E0001O | EW8h2020 | KD | | 1 |
| alpzahuHP | KD | , g/L | 0E0030 | 0E0011 | EW8h2020 | KD | | 1 |
| betahuHP | KD | , g/L | 0E0030 | 0E00J1 | EW8h2020 | KD | | 1 |
| 7eltahuHP | KD | , g/L | 0E0030 | 0E0014 | EW8h2020 | KD | | 1 |
| gammahuHP FLin7aneX | KD | , g/L | 0E0030 | 0E00094 | EW8h2020 | KD | | 1 |
| Pzlor7ane FTecznicalX | KD | , g/L | 0E30 | 0E02 | EW8h2020 | KD | | 1 |
| 4j4'hDDD | KD | , g/L | 0E0030 | 0E001. | EW8h2020 | KD | | 1 |
| 4j4'hDDE | KD | , g/L | 0E0030 | 0E0019 | EW8h2020 | KD | | 1 |
| 4j4'hDDT | KD | , g/L | 0E0030 | 0E000. 6 | EW8h2020 | KD | | 1 |
| Diel7rin | KD | , g/L | 0E0030 | 0E001J | EW8h2020 | KD | | 1 |
| En7os, lfan M | KD | , g/L | 0E0030 | 0E0016 | EW8h2020 | KD | | 1 |
| En7os, lfan MM | KD | , g/L | 0E0030 | 0E0014 | EW8h2020 | KD | | 1 |
| En7os, lfan s, lfate | KD | , g/L | 0E0030 | 0E00J6 | EW8h2020 | KD | | 1 |
| En7rin | KD | , g/L | 0E0030 | 0E0002J | EW8h2020 | KD | | 1 |
| En7rin al7ezy7e | KD | , g/L | 0E010 | 0E00QJ | EW8h2020 | KD | | 1 |
| Heptaczlor | KD | , g/L | 0E0030 | 0E001J | EW8h2020 | KD | | 1 |
| Heptaczlor epoxi7e | KD | , g/L | 0E0030 | 0E00099 | EW8h2020 | KD | | 1 |
| Netzoxyczlor | KD | , g/L | 0E0030 | 0E0011 | EW8h2020 | KD | | 1 |
| Toxapzene | KD | , g/L | JE0 | 0E4J | EW8h2020 | KD | | 1 |
| WPuh1016 | KD | , g/L | 0E30 | 0E043 | EW8h2020 | KD | | 1 |
| WPuh1JJ1 | KD | , g/L | 0E30 | 0E0. 0 | EW8h2020 | KD | | 1 |
| WPuh1JQJ | KD | , g/L | 0E30 | 0E021 | EW8h2020 | KD | | 1 |
| WPuh1J4J | KD | , g/L | 0E30 | 0E063 | EW8h2020 | KD | | 1 |
| WPuh1J42 | KD | , g/L | 0E30 | 0E023 | EW8h2020 | KD | | 1 |
| WPuh1J34 | KD | , g/L | 0E30 | 0E0. . | EW8h2020 | KD | | 1 |
| WPuh1J60 | KD | , g/L | 0E30 | 0E060 | EW8h2020 | KD | | 1 |
| Total WPu's FS, mmationX | KD | , g/L | 0E30 | 0E10 | EW8h2020 | KD | | 1 |
| TPNw FS, rrogateX | 23B | % | 40 h140 FLPL h) PLX | | EW8h2020 | | | 1 |
| Decaczlorobipzenyl FS, rrogateX | 66B | % | 40 h1J0 FLPL h) PLX | | EW8h2020 | | | 1 |

| Run # | 2 et. o) | yrep 3ate | Run 3ate/Time | Onalgst | Instrument | 3ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h2020 | 02/16/14 | 02/J1/14 1QJO | UH1 | APh14 | 1 | uwH1619 |

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| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) L** 09/02/J014 10:02<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Ch0100<br>Wrolect Nanager: Gason Sapp |

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| **BCj Sample I3 L** 141263Jh0J | **Client Sample 5 ameL** K2h4j 2/1J/J014 9:40:008N |

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| 8; inpzos metzyl | KD | , g/L | 0B10 | 0B033 | EW8h2141u | KD | | 1 |
| uolstar | KD | , g/L | 0B10 | 0B033 | EW8h2141u | KD | | 1 |
| Pzlorpyrifos | KD | , g/L | 0B10 | 0B010 | EW8h2141u | KD | | 1 |
| Po, mapzos | KD | , g/L | 0B10 | 0B034 | EW8h2141u | KD | | 1 |
| Demeton q /S | KD | , g/L | 0B10 | 0BJ6 | EW8h2141u | KD | | 1 |
| Dia; inon | KD | , g/L | 0B10 | 0B044 | EW8h2141u | KD | | 1 |
| Diczlorvos | KD | , g/L | 0B10 | 0B0. 0 | EW8h2141u | KD | | 1 |
| Dis, lfoton | KD | , g/L | 0B30 | 0BOC9 | EW8h2141u | KD | | 1 |
| Etzoprop | KD | , g/L | 0B10 | 0BJ3 | EW8h2141u | KD | | 1 |
| dens, lfotzion | KD | , g/L | 0B10 | 0B022 | EW8h2141u | KD | | 1 |
| dentzion | KD | , g/L | 0B10 | 0BOCO | EW8h2141u | KD | | 1 |
| Nerpzos | KD | , g/L | 0B10 | 0B032 | EW8h2141u | KD | | 1 |
| Netzyl paratzion | KD | , g/L | 0B10 | 0B0. 4 | EW8h2141u | KD | | 1 |
| Nevinpzos | KD | , g/L | 0B10 | 0B03O | EW8h2141u | KD | | 1 |
| Kale7 | KD | , g/L | 0B10 | 0B0. J | EW8h2141u | KD | | 1 |
| Wzorate | KD | , g/L | 0B10 | 0B041 | EW8h2141u | KD | | 1 |
| Ronnel FdenczlorpzosX | KD | , g/L | 0B10 | 0B06. | EW8h2141u | KD | | 1 |
| Stiropzos FTetraczlorvinpzosX | KD | , g/L | 0B10 | 0B046 | EW8h2141u | KD | | 1 |
| Tol , tzion FWotziofosX | KD | , g/L | 0B10 | 0BOCJ | EW8h2141u | KD | | 1 |
| Triczloronate | KD | , g/L | 0B10 | 0BOC2 | EW8h2141u | KD | | 1 |
| Tripzenylpzospzate FS, rrogateX | 29B | % | 30 h140 FLPL h) PLX | | EW8h2141u | | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h2141u | 02/1. /14 | 02/J0/14 12:36 | N( 1 | APh | 1 | uwH1. 64 |

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| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) L** 09/02/J014 10:02<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Ch0100<br>Wrolect Nanager: Gason Sapp |

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| **BCj Sample I3 L** 141263Jh0J | **Client Sample 5 ameL** K2h4j 2/1J/J014 9:40:008N |
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| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| Jj4hD | KD | , g/L | 0E40 | 0E063 | EW8h21318 | KD | | 1 |
| Jj4hDu | KD | , g/L | OE0 | 0E0J | EW8h21318 | KD | | 1 |
| Dalapon | KD | , g/L | 10 | JE4 | EW8h21318 | KD | | 1 |
| Dicamba | KD | , g/L | 0E020 | 0E0O | EW8h21318 | KD | | 1 |
| Diczloroprop | KD | , g/L | 0E30 | 0E01J | EW8h21318 | KD | | 1 |
| Dinoseb | KD | , g/L | 0E10 | 0E040 | EW8h21318 | KD | | 1 |
| Jj4j3hT | KD | , g/L | 0E090 | 0E01J | EW8h21318 | KD | | 1 |
| Jj4j3hTWFSilvexX | KD | , g/L | 0E0. 0 | 0E016 | EW8h21318 | KD | | 1 |
| Jj4hDiczloropzenylacetic aci7 FS, rrogateX | 3. E2 | % | C0 h140 FLPL h) PLX | | EW8h21318 | | | 1 |

| Run # | 2 et. o) | yrep 3ate | Run 3ate/Time | Onalgst | Instrument | 3ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h21318 | 02/12/14 | 02/J0/14 1. :JO | ml 1 | APh2 | 1 | uwH1291 |

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Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# Base 5 eutral an) OM) dWraMtables ( rPaniMOnalgsis hdy O 2 et. o) 80A6CH

**BCj Sample I3 L** 141263Jh0J | **Client Sample 5 ameL** K2h4j 2/1J/J014 9:40:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| 8 cenapztzene | KD | , g/L | JE0 | 0E34 | EW8h2J. 0P | KD | | 1 |
| 8 cenapztzylene | KD | , g/L | JE0 | 0E32 | EW8h2J. 0P | KD | | 1 |
| 8 I7rin | KD | , g/L | JE0 | 0E03 | EW8h2J. 0P | KD | | 1 |
| 8 niline | KD | , g/L | 3E0 | 0E69 | EW8h2J. 0P | KD | | 1 |
| 8 ntzracene | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| uen; i7ine | KD | , g/L | J0 | . E1 | EW8h2J. 0P | KD | | 1 |
| uen; o[a]antzracene | KD | , g/L | JE0 | 0E02 | EW8h2J. 0P | KD | | 1 |
| uen; o[b]fl, orantzene | KD | , g/L | JE0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| uen; o[l ]fl, orantzene | KD | , g/L | JE0 | 0E01 | EW8h2J. 0P | KD | | 1 |
| uen; o[a]pyrene | KD | , g/L | JE0 | 0E30 | EW8h2J. 0P | KD | | 1 |
| uen; o[gjzji]perylene | KD | , g/L | JE0 | 0E3J | EW8h2J. 0P | KD | | 1 |
| uen; oic aci7 | KD | , g/L | 10 | 3E2 | EW8h2J. 0P | KD | | 1 |
| uen; yl alcozol | KD | , g/L | JE0 | 0E04 | EW8h2J. 0P | KD | | 1 |
| uen; yl b, tyl pztzalate | KD | , g/L | JE0 | 0E4. | EW8h2J. 0P | KD | | 1 |
| alpzahu HP | KD | , g/L | JE0 | 0E3. | EW8h2J. 0P | KD | | 1 |
| betahu HP | KD | , g/L | JE0 | 0E3. | EW8h2J. 0P | KD | | 1 |
| 7eltahu HP | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| gammahu HP FLin7aneX | KD | , g/L | JE0 | 0E3J | EW8h2J. 0P | KD | | 1 |
| bisFJHPzloroetzoxyXmetzane | KD | , g/L | JE0 | 0E3. | EW8h2J. 0P | KD | | 1 |
| bisFJHPzloroetzylXetzer | KD | , g/L | JE0 | 0E62 | EW8h2J. 0P | KD | | 1 |
| bisFJHPzloroisopropylXetzer | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| bisFJHEtzylzexylXpztzalate | KD | , g/L | 3E0 | OE0 | EW8h2J. 0P | KD | | 1 |
| 4hu romopzenyl pzenyl etzer | KD | , g/L | JE0 | 0E3O | EW8h2J. 0P | KD | | 1 |
| 4HPzloroaniline | KD | , g/L | JE0 | 0E69 | EW8h2J. 0P | KD | | 1 |
| JHPzloronapztzalene | KD | , g/L | JE0 | 0E04 | EW8h2J. 0P | KD | | 1 |
| 4HPzloropzenyl pzenyl etzer | KD | , g/L | JE0 | 0E3O | EW8h2J. 0P | KD | | 1 |
| Pzrysene | KD | , g/L | JE0 | 0E6O | EW8h2J. 0P | KD | | 1 |
| 4j4'hDDD | KD | , g/L | JE0 | 0E42 | EW8h2J. 0P | KD | | 1 |
| 4j4'hDDE | KD | , g/L | OE0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| 4j4'hDDT | KD | , g/L | JE0 | 0E4O | EW8h2J. 0P | KD | | 1 |
| Diben; o[ajz]antzracene | KD | , g/L | OE0 | 0E36 | EW8h2J. 0P | KD | | 1 |
| Diben; of, ran | KD | , g/L | JE0 | 0E31 | EW8h2J. 0P | KD | | 1 |
| 1jJHDiczloroben; ene | KD | , g/L | JE0 | 0E0. | EW8h2J. 0P | KD | | 1 |

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| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) L** 09/02/J014 10:02<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Ch0100<br>Wrolect Nanager: Gason Sapp |

# Base 5eutral an) OM) dWraMtables ( rPaniMOnalgsis hdy O 2et. o) 80A6CH

| **BCj Sample I3L** 141263Jh0J | **Client Sample 5ameL** K2h4j 2/1J/J014 9:40:008N |
|---|---|

| Constituent | Result | Enits | yVj | 2 3j | 2et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| 1jChDiczloroben; ene | KD | , g/L | JE0 | 0E03 | EW8h2J. 0P | KD | | 1 |
| 1j4hDiczloroben; ene | KD | , g/L | JE0 | 0E01 | EW8h2J. 0P | KD | | 1 |
| CjChDiczloroben; i7ine | KD | , g/L | 10 | 2E3 | EW8h2J. 0P | KD | | 1 |
| Diel7rin | KD | , g/L | C0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| Dietzyl pztzalate | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| Dimetzyl pztzalate | KD | , g/L | JE0 | 0E09 | EW8h2J. 0P | KD | | 1 |
| Dihmhb, tyl pztzalate | KD | , g/L | JE0 | 0E09 | EW8h2J. 0P | KD | | 1 |
| Jj4hDinitrotol, ene | KD | , g/L | JE0 | 0E36 | EW8h2J. 0P | KD | | 1 |
| Jj6hDinitrotol, ene | KD | , g/L | JE0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| Dihmhoctyl pztzalate | KD | , g/L | JE0 | 0E46 | EW8h2J. 0P | KD | | 1 |
| 1jJhDipzenylzy7ra; ine | KD | , g/L | JE0 | 0E04 | EW8h2J. 0P | KD | | 1 |
| En7os, lfan M | KD | , g/L | 10 | 1B | EW8h2J. 0P | KD | | 1 |
| En7os, lfan MM | KD | , g/L | 10 | 1E3 | EW8h2J. 0P | KD | | 1 |
| En7os, lfan s, lfate | KD | , g/L | C0 | 0E32 | EW8h2J. 0P | KD | | 1 |
| En7rin | KD | , g/L | JE0 | 1E1 | EW8h2J. 0P | KD | | 1 |
| En7rin al7ezy7e | KD | , g/L | 10 | 0E3J | EW8h2J. 0P | KD | | 1 |
| dI, orantzene | KD | , g/L | JE0 | 0E30 | EW8h2J. 0P | KD | | 1 |
| dI, orene | KD | , g/L | JE0 | 0E32 | EW8h2J. 0P | KD | | 1 |
| Heptaczlor | KD | , g/L | JE0 | 0E0J | EW8h2J. 0P | KD | | 1 |
| Heptaczlor epoxi7e | KD | , g/L | JE0 | 0E3. | EW8h2J. 0P | KD | | 1 |
| Hexaczloroben; ene | KD | , g/L | JE0 | 0E30 | EW8h2J. 0P | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | JE0 | 0E34 | EW8h2J. 0P | KD | | 1 |
| Hexaczlorocyclopenta7iene | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| Hexaczloroetzane | KD | , g/L | JE0 | 0E0J | EW8h2J. 0P | KD | | 1 |
| M7eno[1jJjChc7]pyrene | KD | , g/L | JE0 | 0E36 | EW8h2J. 0P | KD | | 1 |
| Mopzorone | KD | , g/L | JE0 | 0E01 | EW8h2J. 0P | KD | | 1 |
| JhNetzylnapztzalene | KD | , g/L | JE0 | 0E32 | EW8h2J. 0P | KD | | 1 |
| Kapztzalene | KD | , g/L | JE0 | 0E31 | EW8h2J. 0P | KD | | 1 |
| JhKapztzylamine | KD | , g/L | J0 | 4E2 | EW8h2J. 0P | KD | | 1 |
| JhKitroaniline | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| ChKitroaniline | KD | , g/L | JE0 | 0E66 | EW8h2J. 0P | KD | | 1 |
| 4hKitroaniline | KD | , g/L | 3E0 | 0E2. | EW8h2J. 0P | KD | | 1 |
| Kitroben; ene | KD | , g/L | JE0 | 0E36 | EW8h2J. 0P | KD | | 1 |

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# Base 5eutral an) OM) dWraMtables ( rPaniMOnalgsis hdy O 2et. o) 80A6CH

| **BCj Sample I3L** 141263Jh0J | **Client Sample 5ameL** K2h4j 2/1J/J014 9:40:008N |
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| Constituent | Result | Enits | yVj | 2 3j | 2et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| KhKitroso7imetzylamine | KD | , g/L | JE0 | 0E61 | EW8h2J. 0P | KD | | 1 |
| KhKitroso7ihKhpropylamine | KD | , g/L | JE0 | 1E0 | EW8h2J. 0P | KD | | 1 |
| KhKitroso7ipzenylamine | KD | , g/L | JE0 | 0E44 | EW8h2J. 0P | KD | | 1 |
| Wzenantzrene | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| Wyrene | KD | , g/L | JE0 | 0E16 | EW8h2J. 0P | KD | | 1 |
| 1jJj4hTriczloroben; ene | KD | , g/L | JE0 | 0E1. | EW8h2J. 0P | KD | | 1 |
| 4hPzlorohOmetzylpzenol | KD | , g/L | 3E0 | 0E40 | EW8h2J. 0P | KD | | 1 |
| JhPzloropzenol | KD | , g/L | JE0 | 0E0 | EW8h2J. 0P | KD | | 1 |
| Jj4hDiczloropzenol | KD | , g/L | JE0 | 0E4O | EW8h2J. 0P | KD | | 1 |
| Jj4hDimetzylpzenol | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| 4j6hDinitrohJhmetzylpzenol | KD | , g/L | 10 | 0E04 | EW8h2J. 0P | KD | | 1 |
| Jj4hDinitropzenol | KD | , g/L | 10 | 0E10 | EW8h2J. 0P | KD | | 1 |
| JhNetzylpzenol | KD | , g/L | JE0 | 1E0 | EW8h2J. 0P | KD | | 1 |
| Ch& 4hNetzylpzenol | KD | , g/L | JE0 | 1E6 | EW8h2J. 0P | KD | | 1 |
| JhKitropzenol | KD | , g/L | JE0 | 0E12 | EW8h2J. 0P | KD | | 1 |
| 4hKitropzenol | KD | , g/L | JE0 | 0B O | EW8h2J. 0P | KD | | 1 |
| Wentaczloropzenol | KD | , g/L | 10 | 0B 9 | EW8h2J. 0P | KD | | 1 |
| Wzenol | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| Jj4j3hTriczloropzenol | KD | , g/L | 3E0 | 0E01 | EW8h2J. 0P | KD | | 1 |
| Jj4j6hTriczloropzenol | KD | , g/L | 3E0 | 0E60 | EW8h2J. 0P | KD | | 1 |
| JhdI, oropzenol FS, rrogateX | J0O | % | C0 h1J0 | FLPL h) PLX | EW8h2J. 0P | | S09 | 1 |
| Wzenolh73 FS, rrogateX | 166 | % | 1J h110 | FLPL h) PLX | EW8h2J. 0P | | S09 | 1 |
| Kitroben; enehh73 FS, rrogateX | CJ9 | % | 60 h1C0 | FLPL h) PLX | EW8h2J. 0P | | S09 | 1 |
| JhdI, orobipzenyl FS, rrogateX | J. 2 | % | 33 h1J3 | FLPL h) PLX | EW8h2J. 0P | | S09 | 1 |
| Jj4j6hTribromopzenol FS, rrogateX | O40 | % | 40 h130 | FLPL h) PLX | EW8h2J. 0P | | S09 | 1 |
| phTerpzenylh714 FS, rrogateX | 134 | % | 40 h130 | FLPL h) PLX | EW8h2J. 0P | | S09 | 1 |

| Run # | 2et. o) | yrep 3ate | Run 3ate/Time | Onalgst | Instrument | 3ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h2J. 0P | 02/19/14 | 02/J6/14 13:41 | UH1 | NShu1 | 0E920 | uwHJ3C0 |

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Plaremontj P8 91. 11

**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Cr0100
Wrolect Nanager: Gason Sapp

# 5 3 2 O hdy O 2 et. o) 80A6CNSI2 H

| **BCj Sample I3 L** 141263Jr0J | **Client Sample 5 ameL** K2h4j 2/1J/J014 9:40:008N |
|---|---|

| **Constituent** | **Result** | **Enits** | **yVj** | **2 3j** | **2 et. o)** | **2 B Bias** | **j ab Vuals** | **Run #** |
|---|---|---|---|---|---|---|---|---|
| KrKitroso7imetzylamine | KD | , g/L | 0E0 10 | 0E0 0C0 | EW8 r2J. 0PrSMN KDN8 | KD | | 1 |
| Kapztzalenehr72 FS, rrogateX | . 6E0 | % | 63 h14J FLPL h) PLX | | EW8 r2J. 0PrSMN KDN8 | | | 1 |

| **Run #** | **2 et. o)** | **y rep 3 ate** | **Run 3 ate/Time** | **Onalgst** | **Instrument** | **3 ilution** | **VC BatM I3** |
|---|---|---|---|---|---|---|---|
| 1 | EW8 r2J. 0PrSMN KDN8 | 02/12/14 | 02/J6/14 J1:O1 | N( 1 | N Shu4 | 0E0 20 | uwHJ34J |

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| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) L** 09/02/J014 10:02<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Ch0100<br>Wrolect Nanager: Gason Sapp |

# G ater Onalgsis HF eneral C. emistrgH

| **BCj Sample I3 L** 141263Jh0J | **Client Sample 5 ameL** K2h4j 2/1J/J014 9:40:008N |
|---|---|

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| **3 issolUe) CalMum** | **98** | **mP/j** | **6'16** | **6'619** | **dyONO616B** | KD | | 1 |
| **3 issolUe) 2 aPnesium** | **16** | **mP/j** | **6'6-6** | **6'617** | **dyONO616B** | KD | | 1 |
| **3 issolUe) So) ium** | **10** | **mP/j** | **6'-6** | **6'6-1** | **dyONO616B** | 0B93 | | 1 |
| **3 issolUe) yotassium** | **Q0** | **mP/j** | **1'6** | **6'16** | **dyONO616B** | 0B11 | | 1 |
| Hy7roxi7e | KD | mg/L | 1B4 | 1B4 | EW8hO10B1 | KD | | J |
| **Total OlJalinitg as CaC( Q** | **186** | **mP/j** | **4'1** | **4'1** | **dyONQ16'1** | KD | | J |
| **C. lori) e** | **9'6** | **mP/j** | **6'-6** | **6'69A** | **dyONQ66'6** | KD | | O |
| **5 itrate as 5** | **4'4** | **mP/j** | **6'16** | **6'60-** | **dyONQ66'6** | KD | | O |
| **Sulfate** | **06** | **mP/j** | **1'6** | **6'18** | **dyONQ66'6** | KD | | O |
| **3 issolUe) Dar) ness as CaC( Q** | **016** | **mP/j** | **6'-6** | **6'16** | **CalM** | KD | | 4 |
| **Total 3 issolUe) Soli) s k 186 C** | **016** | **mP/j** | **06** | **06** | **dyONN96'1** | KD | | 3 |
| Nu8S | KD | mg/L | 0B10 | 0B013 | EW8h4J3B1 | KD | | 6 |
| **yerM lorate** | **16** | **uP/j** | **4'6** | **6'4-** | **dyONQ14'6** | KD | | . |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h6010u | 02/1J/14 | 02/12/14 11:46 | 8RD | WEhq W1 | 1 | uwH1O13 |
| J | EW8hO10B1 | 02/12/14 | 02/12/14 16:JO | RNL | NETh1 | 1 | uwH132O |
| O | EW8hO00B0 | 02/1O/14 | 02/14/14 0J:Q | qLH | NPJ | 1 | uwH1J44 |
| 4 | Palc | 02/13/14 | 02/J9/14 11:Q | TNS | Palc | 1 | uwH1Q4 |
| 3 | EW8h160B1 | 02/12/14 | 02/12/14 1J:O0 | P8D | N8K) 8L | J | uwH13. 3 |
| 6 | EW8h4J3B1 | 02/14/14 | 02/14/14 09:00 | GNK | N8K) 8L | 1 | uwH1J29 |
| . | EW8hO14B0 | 02/O1/14 | 09/01/14 10:J6 | qLH | NP6 | 1 | uwW00J |

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| **BCj Sample I3 L** 141263Jh0J | **Client Sample 5 ameL** K2h4j 2/1J/J014 9:40:008N |
|---|---|

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| **3 issolUe) Ontimong** | **9'4** | **uP/j** | **166** | **4'7** | **dyON0616B** | KD | @ | 1 |
| **3 issolUe) OrseniM** | **1A** | **uP/j** | **-6** | **7'0** | **dyON0616B** | 11 | @ | 1 |
| **3 issolUe) Barium** | **08** | **uP/j** | **16** | **Q-** | **dyON0616B** | KD | | 1 |
| Dissolve7 uerylli, m | KD | , g/L | 10 | 0E30 | EW8h6010u | KD | | 1 |
| Dissolve7 Pa7mi, m | KD | , g/L | 10 | 1E1 | EW8h6010u | KD | | 1 |
| **3 issolUe) C. romium** | **1'1** | **uP/j** | **16** | **1'6** | **dyON0616B** | KD | @ | 1 |
| **3 issolUe) Cobalt** | **0'6** | **uP/j** | **-6** | **1'1** | **dyON0616B** | KD | @ | 1 |
| Dissolve7 Popper | KD | , g/L | 10 | 1E0 | EW8h6010u | KD | | 1 |
| **3 issolUe) j ea)** | **Q8** | **uP/j** | **-6** | **Q-** | **dyON0616B** | KD | @ | 1 |
| Dissolve7 Nerc, ry | KD | , g/L | 0E10 | 0E0CO | EW8h 4. 08 | KD | | J |
| **3 issolUe) 2 olgb) enum** | **18** | **uP/j** | **-6** | **1'4** | **dyON0616B** | KD | @ | 1 |
| Dissolve7 Kicl el | KD | , g/L | 10 | JE4 | EW8h6010u | KD | | 1 |
| Dissolve7 Seleni, m | KD | , g/L | 100 | 13 | EW8h6010u | KD | | 1 |
| **3 issolUe) SilUer** | **1'4** | **uP/j** | **16** | **1'0** | **dyON0616B** | KD | @ | 1 |
| Dissolve7 Tzalli, m | KD | , g/L | 100 | 10 | EW8h6010u | KD | | 1 |
| **3 issolUe) cana) ium** | **Q6** | **uP/j** | **16** | **0'0** | **dyON0616B** | KD | @ | 1 |
| Dissolve7 Zinc | KD | , g/L | 10 | 3E0 | EW8h6010u | KD | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h6010u | 02/1J/14 | 02/12/14 11:46 | 8RD | WEhq W1 | 1 | uwH1O13 |
| J | EW8h 4. 08 | 02/13/14 | 02/19/14 09:4J | NEU | PET8P1 | 1 | uwH1CO1 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# c olatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh0O | **Client Sample 5 ameL** K1Jj 2/1J/J014 10:43:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen; ene | KD | , g/L | 0E30 | 0E02O | EW8 r3J4B | KD | | 1 |
| uromoben; ene | KD | , g/L | 0E30 | 0E1O | EW8 r3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8 r3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8 r3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8 r3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8 r3J4B | KD | | 1 |
| nhu, tylben; ene | KD | , g/L | 0E30 | 0E11 | EW8 r3J4B | KD | | 1 |
| sechu, tylben; ene | KD | , g/L | 0E30 | 0E13 | EW8 r3J4B | KD | | 1 |
| terthu, tylben; ene | KD | , g/L | 0E30 | 0E1O | EW8 r3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8 r3J4B | KD | | 1 |
| Pzloroben; ene | KD | , g/L | 0E30 | 0E09O | EW8 r3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8 r3J4B | KD | | 1 |
| **C. loroform** | **6'17** | **uP/j** | **6'- 6** | **6'10** | **dyON 04'0** | KD | @ | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8 r3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8 r3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8 r3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8 r3J4B | KD | | 1 |
| 1jJhDibromohOhczloropropane | KD | , g/L | 1E0 | 0E44 | EW8 r3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E16 | EW8 r3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8 r3J4B | KD | | 1 |
| 1jJhDiczloroben; ene | KD | , g/L | 0E30 | 0E0. J | EW8 r3J4B | KD | | 1 |
| 1jOhDiczloroben; ene | KD | , g/L | 0E30 | 0E13 | EW8 r3J4B | KD | | 1 |
| 1j4hDiczloroben; ene | KD | , g/L | 0E30 | 0E06J | EW8 r3J4B | KD | | 1 |
| Diczloro7ifl, orometzane | KD | , g/L | 0E30 | 0E099 | EW8 r3J4B | KD | | 1 |
| 1j1hDiczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8 r3J4B | KD | | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8 r3J4B | KD | | 1 |
| 1j1hDiczloroetzene | KD | , g/L | 0E30 | 0E12 | EW8 r3J4B | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8 r3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8 r3J4B | KD | | 1 |
| 1jJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8 r3J4B | KD | | 1 |
| 1jOhDiczloropropane | KD | , g/L | 0E30 | 0E026 | EW8 r3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8 r3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8 r3J4B | KD | | 1 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh0O | **Client Sample 5 ameL** K1Jj 2/1J/J014 10:43:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDiczloropropene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| transh1jChDiczloropropene | KD | , g/L | 0E30 | 0E0. 9 | EW8h3J4B | KD | | 1 |
| Etzylben; ene | KD | , g/L | 0E30 | 0E092 | EW8h3J4B | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| Mopropylben; ene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Netzylene czlori7e | KD | , g/L | 0E30 | 0E42 | EW8h3J4B | KD | | 1 |
| Netzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Kapztzalene | KD | , g/L | 0E30 | 0E06 | EW8h3J4B | KD | | 1 |
| nhWopylben; ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Styrene | KD | , g/L | 0E30 | 0E062 | EW8h3J4B | KD | | 1 |
| 1j1j1jJhTetraczloroetzane | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| 1j1jJjJhTetraczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| **TetraM loroet. ene** | **0'4** | **uP/j** | **6'-6** | **6'1Q** | **dyON 04'0** | KD | | 1 |
| Tol, ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| 1jJjChTriczloroben; ene | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| 1jJj4hTriczloroben; ene | KD | , g/L | 0E30 | 0E19 | EW8h3J4B | KD | | 1 |
| 1j1j1hTriczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczloroetzane | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| **TriM loroet. ene** | **1-** | **uP/j** | **6'-6** | **6'68-** | **dyON 04'0** | KD | | 1 |
| Triczlorofl, orometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJjChTriczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczlorohjJjJhtrifl, oroetzane | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJj4hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 1jCj3hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 8cetone | KD | , g/L | 10 | 4E6 | EW8h3J4B | KD | | 1 |
| 8crylonitrile | KD | , g/L | 3E0 | 1E | EW8h3J4B | KD | U01jU11 | 1 |
| 8llyl czlori7e | KD | , g/L | 3E0 | 0E20 | EW8h3J4B | KD | | 1 |
| thB myl Netzyl etzer | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9E4 | EW8h3J4B | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1E0 | 0E02 | EW8h3J4B | KD | | 1 |
| transh1j4hDiczlorohJhb, tene | KD | , g/L | 3E0 | 1E4 | EW8h3J4B | KD | | 1 |

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# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

| | |
|---|---|
| **BCj Sample I3 L** 141263Jh0O | **Client Sample 5 ameL** K1Jj 2/1J/J014 10:43:008N |

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4E0 | 0E9. | EW8h3J4E3 | KD | | 1 |
| Etzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E12 | EW8h3J4E3 | KD | | 1 |
| JhHexanone | KD | , g/L | 10 | OE4 | EW8h3J4E3 | KD | | 1 |
| Netzacrylonitrile | KD | , g/L | 10 | 1B | EW8h3J4E3 | KD | | 1 |
| Netzyl etzyl I etone | KD | , g/L | 10 | JE3 | EW8h3J4E3 | KD | | 1 |
| Netzyl io7i7e | KD | , g/L | JE0 | 0E4. | EW8h3J4E3 | KD | | 1 |
| Netzyl isob, tyl I etone | KD | , g/L | 10 | JE1 | EW8h3J4E3 | KD | | 1 |
| Netzyl metzacrylate | KD | , g/L | 3E0 | 1E3 | EW8h3J4E3 | KD | | 1 |
| Kitroben; ene | KD | , g/L | O0 | 1O | EW8h3J4E3 | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JE0 | 0E4O | EW8h3J4E3 | KD | U01jU11 | 1 |
| Wropionitrile | KD | , g/L | J0 | 4E3 | EW8h3J4E3 | KD | | 1 |
| Tetrazy7rof, ran | KD | , g/L | J0 | 3E3 | EW8h3J4E3 | KD | | 1 |
| ph& mhwylenes | KD | , g/L | 0E30 | 0E12 | EW8h3J4E3 | KD | | 1 |
| ohwylene | KD | , g/L | 0E30 | 0E02J | EW8h3J4E3 | KD | | 1 |
| 1jJhDiczloroetzaneh74 FS, rrogateX | 110 | % | . 3 h1J3 FLPL h) PLX | | EW8h3J4E3 | | | 1 |
| Tol, eneh72 FS, rrogateX | 9. E0 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4E3 | | | 1 |
| 4hu romofl, oroben; ene FS, rrogateX | 29E2 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4E3 | | | 1 |

| Run # | 2 et. o) | yrep 3ate | Run 3ate/Time | Onalgst | Instrument | 3ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h3J4E3 | 02/13/14 | 02/16/14 12:JJ | GPP | NShU14 | 1 | uwH14O4 |

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# ( rPanoM lorine yestiM) es an) yCBxs hdyO 2 et. o) 8686H

| | |
|---|---|
| **BCj Sample I3 L** 141263Jh0O | **Client Sample 5 ameL** K1Jj 2/1J/J014 10:43:008N |

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| 8I7rin | KD | , g/L | 0E0030 | 0E0001O | EW8h2020 | KD | | 1 |
| alpzahuHP | KD | , g/L | 0E0030 | 0E0011 | EW8h2020 | KD | | 1 |
| betahuHP | KD | , g/L | 0E0030 | 0E00J1 | EW8h2020 | KD | | 1 |
| 7eltahuHP | KD | , g/L | 0E0030 | 0E0014 | EW8h2020 | KD | | 1 |
| gammahuHP FLin7aneX | KD | , g/L | 0E0030 | 0E00094 | EW8h2020 | KD | | 1 |
| Pzlor7ane FTecznicalX | KD | , g/L | 0E30 | 0E02 | EW8h2020 | KD | | 1 |
| 4j4'hDDD | KD | , g/L | 0E0030 | 0E001. | EW8h2020 | KD | | 1 |
| 4j4'hDDE | KD | , g/L | 0E0030 | 0E0019 | EW8h2020 | KD | | 1 |
| 4j4'hDDT | KD | , g/L | 0E0030 | 0E000. 6 | EW8h2020 | KD | | 1 |
| Diel7rin | KD | , g/L | 0E0030 | 0E001J | EW8h2020 | KD | | 1 |
| En7os, lfan M | KD | , g/L | 0E0030 | 0E0016 | EW8h2020 | KD | | 1 |
| En7os, lfan MM | KD | , g/L | 0E0030 | 0E0014 | EW8h2020 | KD | | 1 |
| En7os, lfan s, lfate | KD | , g/L | 0E0030 | 0E00J6 | EW8h2020 | KD | | 1 |
| En7rin | KD | , g/L | 0E0030 | 0E0002J | EW8h2020 | KD | | 1 |
| En7rin al7ezy7e | KD | , g/L | 0E010 | 0E00QJ | EW8h2020 | KD | | 1 |
| Heptaczlor | KD | , g/L | 0E0030 | 0E001J | EW8h2020 | KD | | 1 |
| Heptaczlor epoxi7e | KD | , g/L | 0E0030 | 0E00099 | EW8h2020 | KD | | 1 |
| Netzoxyczlor | KD | , g/L | 0E0030 | 0E0011 | EW8h2020 | KD | | 1 |
| Toxapzene | KD | , g/L | JE0 | 0E4J | EW8h2020 | KD | | 1 |
| WPuh1016 | KD | , g/L | 0E30 | 0E043 | EW8h2020 | KD | | 1 |
| WPuh1JJ1 | KD | , g/L | 0E30 | 0E0. 0 | EW8h2020 | KD | | 1 |
| WPuh1JQJ | KD | , g/L | 0E30 | 0E021 | EW8h2020 | KD | | 1 |
| WPuh1J4J | KD | , g/L | 0E30 | 0E063 | EW8h2020 | KD | | 1 |
| WPuh1J42 | KD | , g/L | 0E30 | 0E023 | EW8h2020 | KD | | 1 |
| WPuh1J34 | KD | , g/L | 0E30 | 0E0. . | EW8h2020 | KD | | 1 |
| WPuh1J60 | KD | , g/L | 0E30 | 0E060 | EW8h2020 | KD | | 1 |
| Total WPu's FS, mmationX | KD | , g/L | 0E30 | 0E10 | EW8h2020 | KD | | 1 |
| TPNw FS, rrogateX | 29E6 | % | 40 h140 FLPL h) PLX | | EW8h2020 | | | 1 |
| Decaczlorobipzenyl FS, rrogateX | . 1E4 | % | 40 h1J0 FLPL h) PLX | | EW8h2020 | | | 1 |

| Run # | 2 et. o) | yrep 3ate | Run 3ate/Time | Onalgst | Instrument | 3ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h2020 | 02/16/14 | 02/J1/14 1QOO6 | UH1 | APh14 | 1 | uwH1619 |

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|---|---|
| **BCj Sample I3 L** 141263Jh0O | **Client Sample 5 ameL** K1Jj 2/1J/J014 10:43:008N |

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| 8; inpzos metzyl | KD | , g/L | 0E10 | 0E033 | EW8h2141u | KD | | 1 |
| uolstar | KD | , g/L | 0E10 | 0E033 | EW8h2141u | KD | | 1 |
| Pzlorpyrifos | KD | , g/L | 0E10 | 0E010 | EW8h2141u | KD | | 1 |
| Po, mapzos | KD | , g/L | 0E10 | 0E034 | EW8h2141u | KD | | 1 |
| Demeton q /S | KD | , g/L | 0E10 | 0E0J6 | EW8h2141u | KD | | 1 |
| Dia; inon | KD | , g/L | 0E10 | 0E044 | EW8h2141u | KD | | 1 |
| Diczlorvos | KD | , g/L | 0E10 | 0E0. 0 | EW8h2141u | KD | | 1 |
| Dis, lfoton | KD | , g/L | 0E30 | 0E0C9 | EW8h2141u | KD | | 1 |
| Etzoprop | KD | , g/L | 0E10 | 0E0J3 | EW8h2141u | KD | | 1 |
| dens, lfotzion | KD | , g/L | 0E10 | 0E022 | EW8h2141u | KD | | 1 |
| dentzion | KD | , g/L | 0E10 | 0E0CO | EW8h2141u | KD | | 1 |
| Nerpzos | KD | , g/L | 0E10 | 0E032 | EW8h2141u | KD | | 1 |
| Netzyl paratzion | KD | , g/L | 0E10 | 0E0. 4 | EW8h2141u | KD | | 1 |
| Nevinpzos | KD | , g/L | 0E10 | 0E03O | EW8h2141u | KD | | 1 |
| Kale7 | KD | , g/L | 0E10 | 0E0. J | EW8h2141u | KD | | 1 |
| Wzorate | KD | , g/L | 0E10 | 0E041 | EW8h2141u | KD | | 1 |
| Ronnel FdenczlorpzosX | KD | , g/L | 0E10 | 0E06. | EW8h2141u | KD | | 1 |
| Stiropzos FTetraczlorvinpzosX | KD | , g/L | 0E10 | 0E046 | EW8h2141u | KD | | 1 |
| Tol , tzion FWotziofosX | KD | , g/L | 0E10 | 0E0CJ | EW8h2141u | KD | | 1 |
| Triczloronate | KD | , g/L | 0E10 | 0E0C2 | EW8h2141u | KD | | 1 |
| Tripzenylpzospzate FS, rrogateX | 9JE4 | % | 30 h140 FLPL h) PLX | | EW8h2141u | | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h2141u | 02/1. /14 | 02/J0/14 19:J0 | N( 1 | APh | 1 | uwH1. 64 |

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| **BCj Sample I3 L** 141263Jh0O | **Client Sample 5 ameL** K1Jj 2/1J/J014 10:43:008N |
|---|---|

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| Jj4hD | KD | , g/L | 0E40 | 0E063 | EW8h21318 | KD | | 1 |
| Jj4hDu | KD | , g/L | OE3 | 0E0J | EW8h21318 | KD | | 1 |
| Dalapon | KD | , g/L | 10 | JE4 | EW8h21318 | KD | | 1 |
| Dicamba | KD | , g/L | 0E020 | 0E0O | EW8h21318 | KD | | 1 |
| Diczloroprop | KD | , g/L | 0E30 | 0E01J | EW8h21318 | KD | | 1 |
| Dinoseb | KD | , g/L | 0E10 | 0E040 | EW8h21318 | KD | | 1 |
| Jj4j3hT | KD | , g/L | 0E090 | 0E01J | EW8h21318 | KD | | 1 |
| Jj4j3hTWFSilvexX | KD | , g/L | 0E0. 0 | 0E016 | EW8h21318 | KD | | 1 |
| Jj4hDiczloropzenylacetic aci7 FS, rrogateX | 63E | % | O0 h140 FLPL h) PLX | | EW8h21318 | | | 1 |

| Run # | 2 et. o) | yrep 3ate | Run 3ate/Time | Onalgst | Instrument | 3ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h21318 | 02/12/14 | 02/J0/14 1. :40 | ml 1 | APh2 | 1 | uwH1291 |

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**Reporte) L** 09/02/J014 10:02
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Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# Base 5 eutral an) OM) dWraMtables ( rPaniMOnalgsis hdy O 2 et. o) 80A6CH

**BCj Sample I3 L** 141263Jh0O | **Client Sample 5 ameL** K1Jj 2/1J/J014 10:43:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| 8 cenapztzene | KD | , g/L | JE0 | 0E34 | EW8h2J. 0P | KD | | 1 |
| 8 cenapztzylene | KD | , g/L | JE0 | 0E32 | EW8h2J. 0P | KD | | 1 |
| 8 I7rin | KD | , g/L | JE0 | 0E03 | EW8h2J. 0P | KD | | 1 |
| 8 niline | KD | , g/L | 3E0 | 0E69 | EW8h2J. 0P | KD | | 1 |
| 8 ntzracene | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| uen; i7ine | KD | , g/L | J0 | . E1 | EW8h2J. 0P | KD | | 1 |
| uen; o[a]antzracene | KD | , g/L | JE0 | 0E02 | EW8h2J. 0P | KD | | 1 |
| uen; o[b]fl, orantzene | KD | , g/L | JE0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| uen; o[l ]fl, orantzene | KD | , g/L | JE0 | 0E01 | EW8h2J. 0P | KD | | 1 |
| uen; o[a]pyrene | KD | , g/L | JE0 | 0E30 | EW8h2J. 0P | KD | | 1 |
| uen; o[gjzji]perylene | KD | , g/L | JE0 | 0E3J | EW8h2J. 0P | KD | | 1 |
| uen; oic aci7 | KD | , g/L | 10 | 3E2 | EW8h2J. 0P | KD | | 1 |
| uen; yl alcozol | KD | , g/L | JE0 | 0E04 | EW8h2J. 0P | KD | | 1 |
| uen; yl b, tyl pztzalate | KD | , g/L | JE0 | 0E4. | EW8h2J. 0P | KD | | 1 |
| alpzahu HP | KD | , g/L | JE0 | 0E3. | EW8h2J. 0P | KD | | 1 |
| betahu HP | KD | , g/L | JE0 | 0E3. | EW8h2J. 0P | KD | | 1 |
| 7eltahu HP | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| gammahu HP FLin7aneX | KD | , g/L | JE0 | 0E3J | EW8h2J. 0P | KD | | 1 |
| bisFJhPzloroetzoxyXmetzane | KD | , g/L | JE0 | 0E3. | EW8h2J. 0P | KD | | 1 |
| bisFJhPzloroetzylXetzer | KD | , g/L | JE0 | 0E62 | EW8h2J. 0P | KD | | 1 |
| bisFJhPzloroisopropylXetzer | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| bisFJhEtzylzexylXpztzalate | KD | , g/L | 3E0 | OE0 | EW8h2J. 0P | KD | | 1 |
| 4hu romopzenyl pzenyl etzer | KD | , g/L | JE0 | 0E3O | EW8h2J. 0P | KD | | 1 |
| 4hPzloroaniline | KD | , g/L | JE0 | 0E69 | EW8h2J. 0P | KD | | 1 |
| JhPzloronapztzalene | KD | , g/L | JE0 | 0E04 | EW8h2J. 0P | KD | | 1 |
| 4hPzloropzenyl pzenyl etzer | KD | , g/L | JE0 | 0E3O | EW8h2J. 0P | KD | | 1 |
| Pzrysene | KD | , g/L | JE0 | 0E6O | EW8h2J. 0P | KD | | 1 |
| 4j4'hDDD | KD | , g/L | JE0 | 0E42 | EW8h2J. 0P | KD | | 1 |
| 4j4'hDDE | KD | , g/L | OE0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| 4j4'hDDT | KD | , g/L | JE0 | 0E4O | EW8h2J. 0P | KD | | 1 |
| Diben; o[ajz]antzracene | KD | , g/L | OE0 | 0E36 | EW8h2J. 0P | KD | | 1 |
| Diben; of, ran | KD | , g/L | JE0 | 0E31 | EW8h2J. 0P | KD | | 1 |
| 1jJhDiczloroben; ene | KD | , g/L | JE0 | 0E0. | EW8h2J. 0P | KD | | 1 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# Base 5 eutral an) OM) dWraMtables ( rPaniMOnalgsis hdy O 2 et. o) 80A6CH

**BCj Sample I3 L** 141263Jh0O | **Client Sample 5 ameL** K1Jj 2/1J/J014 10:43:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| 1jCrDiczloroben; ene | KD | , g/L | JE0 | 0E03 | EW8h2J. 0P | KD | | 1 |
| 1j4rDiczloroben; ene | KD | , g/L | JE0 | 0E01 | EW8h2J. 0P | KD | | 1 |
| CjCrDiczloroben; i7ine | KD | , g/L | 10 | 2E3 | EW8h2J. 0P | KD | | 1 |
| Diel7rin | KD | , g/L | C0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| Dietzyl pztzalate | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| Dimetzyl pztzalate | KD | , g/L | JE0 | 0E09 | EW8h2J. 0P | KD | | 1 |
| Dihrb, tyl pztzalate | KD | , g/L | JE0 | 0E09 | EW8h2J. 0P | KD | | 1 |
| Jj4rDinitrotol, ene | KD | , g/L | JE0 | 0E36 | EW8h2J. 0P | KD | | 1 |
| Jj6rDinitrotol, ene | KD | , g/L | JE0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| Dihroctyl pztzalate | KD | , g/L | JE0 | 0E46 | EW8h2J. 0P | KD | | 1 |
| 1jJrDipzenylzy7ra; ine | KD | , g/L | JE0 | 0E04 | EW8h2J. 0P | KD | | 1 |
| En7os, lfan M | KD | , g/L | 10 | 1B | EW8h2J. 0P | KD | | 1 |
| En7os, lfan M | KD | , g/L | 10 | 1E3 | EW8h2J. 0P | KD | | 1 |
| En7os, lfan s, lfate | KD | , g/L | C0 | 0E32 | EW8h2J. 0P | KD | | 1 |
| En7rin | KD | , g/L | JE0 | 1E1 | EW8h2J. 0P | KD | | 1 |
| En7rin al7ezy7e | KD | , g/L | 10 | 0E3J | EW8h2J. 0P | KD | | 1 |
| dl, orantzene | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| dl, orene | KD | , g/L | JE0 | 0E12 | EW8h2J. 0P | KD | | 1 |
| Heptaczlor | KD | , g/L | JE0 | 0E0J | EW8h2J. 0P | KD | | 1 |
| Heptaczlor epoxi7e | KD | , g/L | JE0 | 0E1. | EW8h2J. 0P | KD | | 1 |
| Hexaczloroben; ene | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | JE0 | 0E14 | EW8h2J. 0P | KD | | 1 |
| Hexaczlorocyclopenta7iene | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| Hexaczloroetzane | KD | , g/L | JE0 | 0E0J | EW8h2J. 0P | KD | | 1 |
| M7eno[1jJjCrc7]pyrene | KD | , g/L | JE0 | 0E36 | EW8h2J. 0P | KD | | 1 |
| Mopzorone | KD | , g/L | JE0 | 0E01 | EW8h2J. 0P | KD | | 1 |
| JrNetzylnapztzalene | KD | , g/L | JE0 | 0E12 | EW8h2J. 0P | KD | | 1 |
| Kapztzalene | KD | , g/L | JE0 | 0E11 | EW8h2J. 0P | KD | | 1 |
| JrKapztzylamine | KD | , g/L | J0 | 4E2 | EW8h2J. 0P | KD | | 1 |
| JrKitroaniline | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| CrKitroaniline | KD | , g/L | JE0 | 0E66 | EW8h2J. 0P | KD | | 1 |
| 4rKitroaniline | KD | , g/L | 3E0 | 0E2. | EW8h2J. 0P | KD | | 1 |
| Kitroben; ene | KD | , g/L | JE0 | 0E36 | EW8h2J. 0P | KD | | 1 |

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| **BCj Sample I3L** 141263Jh0O | **Client Sample 5ameL** K1Jj 2/1J/J014 10:43:008N |
|---|---|

| Constituent | Result | Enits | yVj | 2 3j | 2et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| KhKitroso7imetzylamine | KD | , g/L | JE0 | 0E61 | EW8h2J. 0P | KD | | 1 |
| KhKitroso7ihKhpropylamine | KD | , g/L | JE0 | 1E0 | EW8h2J. 0P | KD | | 1 |
| KhKitroso7ipzenylamine | KD | , g/L | JE0 | 0E44 | EW8h2J. 0P | KD | | 1 |
| Wzenantzrene | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| Wyrene | KD | , g/L | JE0 | 0E16 | EW8h2J. 0P | KD | | 1 |
| 1jJj4hTriczloroben; ene | KD | , g/L | JE0 | 0E1. | EW8h2J. 0P | KD | | 1 |
| 4hPzlorohOmetzylpzenol | KD | , g/L | 3E0 | 0E40 | EW8h2J. 0P | KD | | 1 |
| JhPzloropzenol | KD | , g/L | JE0 | 0E0 | EW8h2J. 0P | KD | | 1 |
| Jj4hDiczloropzenol | KD | , g/L | JE0 | 0E4O | EW8h2J. 0P | KD | | 1 |
| Jj4hDimetzylpzenol | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| 4j6hDinitrohJhmetzylpzenol | KD | , g/L | 10 | 0E04 | EW8h2J. 0P | KD | | 1 |
| Jj4hDinitropzenol | KD | , g/L | 10 | 0E10 | EW8h2J. 0P | KD | | 1 |
| JhNetzylpzenol | KD | , g/L | JE0 | 1E0 | EW8h2J. 0P | KD | | 1 |
| Ch& 4hNetzylpzenol | KD | , g/L | JE0 | 1E6 | EW8h2J. 0P | KD | | 1 |
| JhKitropzenol | KD | , g/L | JE0 | 0E12 | EW8h2J. 0P | KD | | 1 |
| 4hKitropzenol | KD | , g/L | JE0 | 0B O | EW8h2J. 0P | KD | | 1 |
| Wentaczloropzenol | KD | , g/L | 10 | 0B 9 | EW8h2J. 0P | KD | | 1 |
| Wzenol | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| Jj4j3hTriczloropzenol | KD | , g/L | 3E0 | 0E01 | EW8h2J. 0P | KD | | 1 |
| Jj4j6hTriczloropzenol | KD | , g/L | 3E0 | 0E60 | EW8h2J. 0P | KD | | 1 |
| JhdI, oropzenol FS, rrogateX | 60E4 | % | C0 h1J0 FLPL h) PLX | | EW8h2J. 0P | | | 1 |
| Wzenolh73 FS, rrogateX | 30E6 | % | 1J h110 FLPL h) PLX | | EW8h2J. 0P | | | 1 |
| Kitroben; enehh73 FS, rrogateX | 99E6 | % | 60 h1C0 FLPL h) PLX | | EW8h2J. 0P | | | 1 |
| JhdI, orobipzenyl FS, rrogateX | 26E2 | % | 33 h1J3 FLPL h) PLX | | EW8h2J. 0P | | | 1 |
| Jj4j6hTribromopzenol FS, rrogateX | 110 | % | 40 h130 FLPL h) PLX | | EW8h2J. 0P | | | 1 |
| phTerpzenylh714 FS, rrogateX | 29E0 | % | 40 h130 FLPL h) PLX | | EW8h2J. 0P | | | 1 |

| Run # | 2et. o) | yrep 3ate | Run 3ate/Time | Onalgst | Instrument | 3ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h2J. 0P | 02/19/14 | 02/J6/14 16:02 | UH1 | NShu1 | 0E990 | uwHJ3C0 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# 5 3 2 O hdy O 2 et. o) 80A6CNSI2 H

**BCj Sample I3 L** 141263Jh0O | **Client Sample 5 ameL** K1Jj 2/1J/J014 10:43:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| KhKitroso7imetzylamine | KD | , g/L | 0E010 | 0E00C0 | EW8h2J. 0PhSNN KDN8 | KD | | 1 |
| Kapztzalenehr72 FS, rrogateX | 24E3 | % | 63 h14J FLPL h) PLX | | EW8h2J. 0PhSNN KDN8 | | | 1 |

| Run # | 2 et. o) | yrep 3ate | Run 3ate/Time | Onalgst | Instrument | 3ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h2J. 0PhSNN KDN8 | 02/12/14 | 02/J6/14 J1:3O | N( 1 | NShu4 | 0E990 | uwHJ34J |

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| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) L** 09/02/J014 10:02<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Ch0100<br>Wrolect Nanager: Gason Sapp |

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| **BCj Sample I3 L** 141263Jh0O | **Client Sample 5 ameL** K1Jj 2/1J/J014 10:43:008N |
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| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| **3 issolUe) CalMum** | **A6** | **mP/j** | **6'16** | **6'619** | **dyONO616B** | KD | | 1 |
| **3 issolUe) 2 aPnesium** | **11** | **mP/j** | **6'6-6** | **6'617** | **dyONO616B** | KD | | 1 |
| **3 issolUe) So) ium** | **10** | **mP/j** | **6'-6** | **6'6-1** | **dyONO616B** | 0B93 | | 1 |
| **3 issolUe) yotassium** | **Q0** | **mP/j** | **1'6** | **6'16** | **dyONO616B** | 0B11 | | 1 |
| Hy7roxi7e | KD | mg/L | 1B4 | 1B4 | EW8hO10B1 | KD | | J |
| **Total OlJalinitg as CaC( Q** | **186** | **mP/j** | **4'1** | **4'1** | **dyONQ16'1** | KD | | J |
| **C. lori) e** | **A'-** | **mP/j** | **6'-6** | **6'69A** | **dyONQ66'6** | KD | | O |
| **5 itrate as 5** | **-'0** | **mP/j** | **6'16** | **6'60-** | **dyONQ66'6** | KD | | O |
| **Sulfate** | **17** | **mP/j** | **1'6** | **6'18** | **dyONQ66'6** | KD | | O |
| **3 issolUe) Dar) ness as CaC( Q** | **006** | **mP/j** | **6'-6** | **6'16** | **CalM** | KD | | 4 |
| **Total 3 issolUe) Soli) s k 186 C** | **046** | **mP/j** | **06** | **06** | **dyONI96'1** | KD | | 3 |
| Nu8S | KD | mg/L | 0B10 | 0B013 | EW8h4J3B1 | KD | | 6 |
| **yerM lorate** | **7'-** | **uP/j** | **4'6** | **6'4-** | **dyONQ14'6** | KD | | . |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h6010u | 02/1J/14 | 02/12/14 11:42 | 8RD | WEhq W1 | 1 | uwH1O13 |
| J | EW8hO10B1 | 02/12/14 | 02/12/14 16:O1 | RNL | NETh1 | 1 | uwH132O |
| O | EW8hO00B0 | 02/1O/14 | 02/14/14 0Q16 | qLH | NPJ | 1 | uwH1J44 |
| 4 | Palc | 02/13/14 | 02/J9/14 11:Q | TNS | Palc | 1 | uwH1Q4 |
| 3 | EW8h160B1 | 02/12/14 | 02/12/14 1J:O0 | P8D | N8K) 8L | J | uwH13. 3 |
| 6 | EW8h4J3B1 | 02/14/14 | 02/14/14 09:00 | GNK | N8K) 8L | 1 | uwH1J29 |
| . | EW8hO14B0 | 09/04/14 | 09/04/14 1. :J2 | LD1 | NP6 | 1 | uwW01O9 |

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| **BCj Sample I3 L** 141263Jh0O | **Client Sample 5 ameL** K1Jj 2/1J/J014 10:43:008N |
|---|---|

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| **3 issolUe) Ontimong** | **-'9** | **uP/j** | **166** | **4'7** | **dyON0616B** | KD | @ | 1 |
| **3 issolUe) OrseniM** | **04** | **uP/j** | **-6** | **7'0** | **dyON0616B** | 11 | @ | 1 |
| **3 issolUe) Barium** | **0A** | **uP/j** | **16** | **Q-** | **dyON0616B** | KD | | 1 |
| Dissolve7 uerylli, m | KD | , g/L | 10 | 0E30 | EW8h6010u | KD | | 1 |
| Dissolve7 Pa7mi, m | KD | , g/L | 10 | 1E1 | EW8h6010u | KD | | 1 |
| **3 issolUe) C. romium** | **1'Q** | **uP/j** | **16** | **1'6** | **dyON0616B** | KD | @ | 1 |
| Dissolve7 Pobalt | KD | , g/L | 30 | 1E1 | EW8h6010u | KD | | 1 |
| Dissolve7 Popper | KD | , g/L | 10 | 1E0 | EW8h6010u | KD | | 1 |
| **3 issolUe) j ea)** | **-'0** | **uP/j** | **-6** | **Q-** | **dyON0616B** | KD | @ | 1 |
| Dissolve7 Nerc, ry | KD | , g/L | 0E10 | 0E0CO | EW8h 4. 08 | KD | | J |
| **3 issolUe) 2 olgb) enum** | **17** | **uP/j** | **-6** | **1'4** | **dyON0616B** | KD | @ | 1 |
| Dissolve7 Kicl el | KD | , g/L | 10 | JE4 | EW8h6010u | KD | | 1 |
| Dissolve7 Seleni, m | KD | , g/L | 100 | 13 | EW8h6010u | KD | | 1 |
| **3 issolUe) SilUer** | **0'4** | **uP/j** | **16** | **1'0** | **dyON0616B** | KD | @ | 1 |
| Dissolve7 Tzalli, m | KD | , g/L | 100 | 10 | EW8h6010u | KD | | 1 |
| **3 issolUe) cana) ium** | **0'9** | **uP/j** | **16** | **0'0** | **dyON0616B** | KD | @ | 1 |
| Dissolve7 Zinc | KD | , g/L | 10 | 3E0 | EW8h6010u | KD | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h6010u | 02/1J/14 | 02/12/14 11:42 | 8RD | WEhq W1 | 1 | uwH1O13 |
| J | EW8h 4. 08 | 02/13/14 | 02/19/14 09:3J | NEU | PET8P1 | 1 | uwH1CO1 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh04 | **Client Sample 5 ameL** K1Ch4j 2/1J/J014 J:10:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen; ene | KD | , g/L | 0E30 | 0E02O | EW8h3J4B | KD | | 1 |
| uromoben; ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8h3J4B | KD | | 1 |
| nhu, tylben; ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| sechu, tylben; ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| terthu, tylben; ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| Pzloroben; ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| **C. loroform** | **6'A7** | **uP/j** | **6'-6** | **6'10** | **dyON 04'0** | KD | | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8h3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJhDibromohOhczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroben; ene | KD | , g/L | 0E30 | 0E0. J | EW8h3J4B | KD | | 1 |
| 1jOhDiczloroben; ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1j4hDiczloroben; ene | KD | , g/L | 0E30 | 0E06J | EW8h3J4B | KD | | 1 |
| Diczloro7ifl, orometzane | KD | , g/L | 0E30 | 0E099 | EW8h3J4B | KD | | 1 |
| 1j1hDiczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| **1XNS iM loroet. ene** | **1'1** | **uP/j** | **6'-6** | **6'18** | **dyON 04'0** | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| **1XNS iM loropropane** | **0'9** | **uP/j** | **6'-6** | **6'1Q** | **dyON 04'0** | KD | | 1 |
| 1jOhDiczloropropane | KD | , g/L | 0E30 | 0E026 | EW8h3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# c olatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh04 | **Client Sample 5 ameL** K1Ch4j 2/1J/J014 J:10:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDiczloropropene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| transh1jChDiczloropropene | KD | , g/L | 0E30 | 0E0. 9 | EW8h3J4B | KD | | 1 |
| Etzylben; ene | KD | , g/L | 0E30 | 0E092 | EW8h3J4B | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| Mopropylben; ene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| N etzylene czlori7e | KD | , g/L | 0E30 | 0E42 | EW8h3J4B | KD | | 1 |
| N etzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Kapztzalene | KD | , g/L | 0E30 | 0E06 | EW8h3J4B | KD | | 1 |
| nhWopylben; ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Styrene | KD | , g/L | 0E30 | 0E062 | EW8h3J4B | KD | | 1 |
| 1j1j1jJhTetraczloroetzane | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| 1j1jJjJhTetraczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| **TetraM loroet. ene** | **6'70** | **uP/j** | **6'- 6** | **6'1Q** | **dy ON 04'0** | KD | | 1 |
| Tol, ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| 1jJjChTriczloroben; ene | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| 1jJj4hTriczloroben; ene | KD | , g/L | 0E30 | 0E19 | EW8h3J4B | KD | | 1 |
| 1j1j1hTriczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczloroetzane | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| **TriM loroet. ene** | **09** | **uP/j** | **6'- 6** | **6'68-** | **dy ON 04'0** | KD | | 1 |
| Triczlorofl, orometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJjChTriczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczlorohjJjJhtrifl, oroetzane | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJj4hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 1jCj3hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 8cetone | KD | , g/L | 10 | 4E6 | EW8h3J4B | KD | | 1 |
| 8crylonitrile | KD | , g/L | 3E0 | 1E | EW8h3J4B | KD | U01jU11 | 1 |
| 8llyl czlori7e | KD | , g/L | 3E0 | 0E20 | EW8h3J4B | KD | | 1 |
| thB myl N etzyl etzer | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9E4 | EW8h3J4B | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1E0 | 0E02 | EW8h3J4B | KD | | 1 |
| transh1j4hDiczlorohJhb, tene | KD | , g/L | 3E0 | 1E4 | EW8h3J4B | KD | | 1 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh04 | **Client Sample 5 ameL** K1Ch4j 2/1J/J014 J:10:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4E0 | 0E9. | EW8h3J4E3 | KD | | 1 |
| Etzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E12 | EW8h3J4E3 | KD | | 1 |
| JhHexanone | KD | , g/L | 10 | OE4 | EW8h3J4E3 | KD | | 1 |
| Netzacrylonitrile | KD | , g/L | 10 | 1B | EW8h3J4E3 | KD | | 1 |
| Netzyl etzyl I etone | KD | , g/L | 10 | JE3 | EW8h3J4E3 | KD | | 1 |
| Netzyl io7i7e | KD | , g/L | JE0 | 0E4. | EW8h3J4E3 | KD | | 1 |
| Netzyl isob, tyl I etone | KD | , g/L | 10 | JE1 | EW8h3J4E3 | KD | | 1 |
| Netzyl metzacrylate | KD | , g/L | 3E0 | 1E3 | EW8h3J4E3 | KD | | 1 |
| Kitroben; ene | KD | , g/L | C0 | 1O | EW8h3J4E3 | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JE0 | 0E4O | EW8h3J4E3 | KD | U01jU11 | 1 |
| Wropionitrile | KD | , g/L | J0 | 4E3 | EW8h3J4E3 | KD | | 1 |
| Tetrazy7rof, ran | KD | , g/L | J0 | 3E3 | EW8h3J4E3 | KD | | 1 |
| ph& mhwylenes | KD | , g/L | 0E30 | 0E12 | EW8h3J4E3 | KD | | 1 |
| ohwylene | KD | , g/L | 0E30 | 0E02J | EW8h3J4E3 | KD | | 1 |
| 1jJhDiczloroetzaneh74 FS, rrogateX | 11O | % | . 3 h1J3 FLPL h) PLX | | EW8h3J4E3 | | | 1 |
| Tol, eneh72 FS, rrogateX | 92E3 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4E3 | | | 1 |
| 4hu romofl, oroben; ene FS, rrogateX | 21E3 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4E3 | | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h3J4E3 | 02/13/14 | 02/16/14 12:43 | GPP | NShU14 | 1 | uwH14O4 |

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**Reporte) L** 09/02/J014 10:02
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Wrolect K, mber: J01Ch0100
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# ( rPanoM lorine yestiM) es an) yCBxs hdyO 2 et. o) 8686H

**BCj Sample I3 L** 141263Jh04 | **Client Sample 5 ameL** K1Ch4j 2/1J/J014 J:10:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| 8I7rin | KD | , g/L | 0E0030 | 0E001O | EW8h2020 | KD | | 1 |
| alpzahu HP | KD | , g/L | 0E0030 | 0E0011 | EW8h2020 | KD | | 1 |
| betahu HP | KD | , g/L | 0E0030 | 0E00J1 | EW8h2020 | KD | | 1 |
| 7eltahu HP | KD | , g/L | 0E0030 | 0E0014 | EW8h2020 | KD | | 1 |
| gammahu HP FLin7aneX | KD | , g/L | 0E0030 | 0E00094 | EW8h2020 | KD | | 1 |
| Pzlor7ane FTecznicalX | KD | , g/L | 0E30 | 0E02 | EW8h2020 | KD | | 1 |
| 4j4'hDDD | KD | , g/L | 0E0030 | 0E01. | EW8h2020 | KD | | 1 |
| 4j4'hDDE | KD | , g/L | 0E0030 | 0E0019 | EW8h2020 | KD | | 1 |
| 4j4'hDDT | KD | , g/L | 0E0030 | 0E000. 6 | EW8h2020 | KD | | 1 |
| Diel7rin | KD | , g/L | 0E0030 | 0E001J | EW8h2020 | KD | | 1 |
| En7os, lfan M | KD | , g/L | 0E0030 | 0E0016 | EW8h2020 | KD | | 1 |
| En7os, lfan MM | KD | , g/L | 0E0030 | 0E0014 | EW8h2020 | KD | | 1 |
| En7os, lfan s, lfate | KD | , g/L | 0E0030 | 0E00J6 | EW8h2020 | KD | | 1 |
| En7rin | KD | , g/L | 0E0030 | 0E0002J | EW8h2020 | KD | | 1 |
| En7rin al7ezy7e | KD | , g/L | 0E010 | 0E00QJ | EW8h2020 | KD | | 1 |
| Heptaczlor | KD | , g/L | 0E0030 | 0E001J | EW8h2020 | KD | | 1 |
| Heptaczlor epoxi7e | KD | , g/L | 0E0030 | 0E00099 | EW8h2020 | KD | | 1 |
| N etzoxyczlor | KD | , g/L | 0E0030 | 0E0011 | EW8h2020 | KD | | 1 |
| Toxapzene | KD | , g/L | JE0 | 0E4J | EW8h2020 | KD | | 1 |
| WPuh1016 | KD | , g/L | 0E30 | 0E043 | EW8h2020 | KD | | 1 |
| WPuh1JJ1 | KD | , g/L | 0E30 | 0E0. 0 | EW8h2020 | KD | | 1 |
| WPuh1JQJ | KD | , g/L | 0E30 | 0E021 | EW8h2020 | KD | | 1 |
| WPuh1J4J | KD | , g/L | 0E30 | 0E063 | EW8h2020 | KD | | 1 |
| WPuh1J42 | KD | , g/L | 0E30 | 0E023 | EW8h2020 | KD | | 1 |
| WPuh1J34 | KD | , g/L | 0E30 | 0E0. . | EW8h2020 | KD | | 1 |
| WPuh1J60 | KD | , g/L | 0E30 | 0E060 | EW8h2020 | KD | | 1 |
| Total WPu's FS, mmationX | KD | , g/L | 0E30 | 0E10 | EW8h2020 | KD | | 1 |
| TPN w FS, rrogateX | 29E1 | % | 40 h140 FLPL h) PLX | | EW8h2020 | | | 1 |
| Decaczlorobipzenyl FS, rrogateX | . 9E9 | % | 40 h1J0 FLPL h) PLX | | EW8h2020 | | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h2020 | 02/16/14 | 02/J1/14 1Q30 | UH1 | APh14 | 1 | uwH1619 |

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| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) L** 09/02/J014 10:02<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Ch0100<br>Wrolect Nanager: Gason Sapp |

# ( rPanoNy. osp. orus yestiM) e Onalgsis hdy O 2 et. o) 8141BH

| | |
|---|---|
| **BCj Sample I3 L** 141263Jh04 | **Client Sample 5 ameL** K1Ch4j 2/1J/J014 J:10:00WN |

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| 8; inpzos metzyl | KD | , g/L | 0B10 | 0B033 | EW8h2141u | KD | | 1 |
| uolstar | KD | , g/L | 0B10 | 0B033 | EW8h2141u | KD | | 1 |
| Pzlorpyrifos | KD | , g/L | 0B10 | 0B010 | EW8h2141u | KD | | 1 |
| Po, mapzos | KD | , g/L | 0B10 | 0B034 | EW8h2141u | KD | | 1 |
| Demeton q /S | KD | , g/L | 0B10 | 0B0J6 | EW8h2141u | KD | | 1 |
| Dia; inon | KD | , g/L | 0B10 | 0B044 | EW8h2141u | KD | | 1 |
| Diczlorvos | KD | , g/L | 0B10 | 0B0. 0 | EW8h2141u | KD | | 1 |
| Dis, lfoton | KD | , g/L | 0B30 | 0B0C9 | EW8h2141u | KD | | 1 |
| Etzoprop | KD | , g/L | 0B10 | 0B0J3 | EW8h2141u | KD | | 1 |
| dens, lfotzion | KD | , g/L | 0B10 | 0B022 | EW8h2141u | KD | | 1 |
| dentzion | KD | , g/L | 0B10 | 0B0CO | EW8h2141u | KD | | 1 |
| Nerpzos | KD | , g/L | 0B10 | 0B032 | EW8h2141u | KD | | 1 |
| Netzyl paratzion | KD | , g/L | 0B10 | 0B0. 4 | EW8h2141u | KD | | 1 |
| Nevinpzos | KD | , g/L | 0B10 | 0B03O | EW8h2141u | KD | | 1 |
| Kale7 | KD | , g/L | 0B10 | 0B0. J | EW8h2141u | KD | | 1 |
| Wzorate | KD | , g/L | 0B10 | 0B041 | EW8h2141u | KD | | 1 |
| Ronnel FdenczlorpzosX | KD | , g/L | 0B10 | 0B06. | EW8h2141u | KD | | 1 |
| Stiropzos FTetraczlorvinpzosX | KD | , g/L | 0B10 | 0B046 | EW8h2141u | KD | | 1 |
| Tol , tzion FWotziofosX | KD | , g/L | 0B10 | 0B0CJ | EW8h2141u | KD | | 1 |
| Triczloronate | KD | , g/L | 0B10 | 0B0C2 | EW8h2141u | KD | | 1 |
| Tripzenylpzospzate FS, rrogateX | 10O | % | 30 h140 FLPL h) PLX | | EW8h2141u | | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h2141u | 02/1. /14 | 02/J0/14 19:44 | N( 1 | APh | 1 | uwH1. 64 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# C. lorinate) DerbiM) es hdy O 2 et. o) 81-1OH

**BCj Sample I3 L** 141263Jh04 | **Client Sample 5 ameL** K1Ch4j 2/1J/J014 J:10:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| Jj4hD | KD | , g/L | 0E40 | 0E063 | EW8h21318 | KD | | 1 |
| Jj4hDu | KD | , g/L | CE3 | 0E0J | EW8h21318 | KD | | 1 |
| Dalapon | KD | , g/L | 10 | JE4 | EW8h21318 | KD | | 1 |
| **3 iMamba** | **6'91** | **uP/j** | **6'686** | **6'6QA** | **dy ON81-1O** | KD | | 1 |
| Diczloroprop | KD | , g/L | 0E30 | 0E01J | EW8h21318 | KD | | 1 |
| Dinoseb | KD | , g/L | 0EJ0 | 0E040 | EW8h21318 | KD | | 1 |
| Jj4j3hT | KD | , g/L | 0E090 | 0E01J | EW8h21318 | KD | | 1 |
| Jj4j3hTWFSilvexX | KD | , g/L | 0E0. 0 | 0E016 | EW8h21318 | KD | | 1 |
| Jj4hDiczloropzenylacetic aci7 FS, rrogateX | 6JEJ | % | C0 h140 FLPL h) PLX | | EW8h21318 | | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h21318 | 02/12/14 | 02/J0/14 1. :3. | ml 1 | APh2 | 1 | uwH1291 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# Base 5 eutral an) OM) dWraMtables ( rPaniMOnalgsis hdy O 2 et. o) 80A6CH

**BCj Sample I3 L** 141263Jh04 | **Client Sample 5 ameL** K1Ch4j 2/1J/J014 J:10:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| 8 cenapztzene | KD | , g/L | JE0 | 0E14 | EW8h2J. 0P | KD | | 1 |
| 8 cenapztzylene | KD | , g/L | JE0 | 0E12 | EW8h2J. 0P | KD | | 1 |
| 8 I7rin | KD | , g/L | JE0 | 0E03 | EW8h2J. 0P | KD | | 1 |
| 8 niline | KD | , g/L | 3E0 | 0E69 | EW8h2J. 0P | KD | | 1 |
| 8 ntzracene | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| uen; i7ine | KD | , g/L | J0 | . E1 | EW8h2J. 0P | KD | | 1 |
| uen; o[a]antzracene | KD | , g/L | JE0 | 0E02 | EW8h2J. 0P | KD | | 1 |
| uen; o[b]fl, orantzene | KD | , g/L | JE0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| uen; o[l ]fl, orantzene | KD | , g/L | JE0 | 0E01 | EW8h2J. 0P | KD | | 1 |
| uen; o[a]pyrene | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| uen; o[gjzji]perylene | KD | , g/L | JE0 | 0E1J | EW8h2J. 0P | KD | | 1 |
| uen; oic aci7 | KD | , g/L | 10 | 3E2 | EW8h2J. 0P | KD | | 1 |
| uen; yl alcozol | KD | , g/L | JE0 | 0E04 | EW8h2J. 0P | KD | | 1 |
| uen; yl b, tyl pztzalate | KD | , g/L | JE0 | 0E4. | EW8h2J. 0P | KD | | 1 |
| alpzahu HP | KD | , g/L | JE0 | 0E1. | EW8h2J. 0P | KD | | 1 |
| betahu HP | KD | , g/L | JE0 | 0E1. | EW8h2J. 0P | KD | | 1 |
| 7eltahu HP | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| gammahu HP FLin7aneX | KD | , g/L | JE0 | 0E1J | EW8h2J. 0P | KD | | 1 |
| bisFJhPzloroetzoxyXmetzane | KD | , g/L | JE0 | 0E1. | EW8h2J. 0P | KD | | 1 |
| bisFJhPzloroetzylXetzer | KD | , g/L | JE0 | 0E62 | EW8h2J. 0P | KD | | 1 |
| bisFJhPzloroisopropylXetzer | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| bisFJhEtzylzexylXpztzalate | KD | , g/L | 3E0 | OE0 | EW8h2J. 0P | KD | | 1 |
| 4hu romopzenyl pzenyl etzer | KD | , g/L | JE0 | 0E1O | EW8h2J. 0P | KD | | 1 |
| 4hPzloroaniline | KD | , g/L | JE0 | 0E69 | EW8h2J. 0P | KD | | 1 |
| JhPzloronapztzalene | KD | , g/L | JE0 | 0E04 | EW8h2J. 0P | KD | | 1 |
| 4hPzloropzenyl pzenyl etzer | KD | , g/L | JE0 | 0E1O | EW8h2J. 0P | KD | | 1 |
| Pzrysene | KD | , g/L | JE0 | 0E6O | EW8h2J. 0P | KD | | 1 |
| 4j4'hDDD | KD | , g/L | JE0 | 0E42 | EW8h2J. 0P | KD | | 1 |
| 4j4'hDDE | KD | , g/L | OE0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| 4j4'hDDT | KD | , g/L | JE0 | 0E4O | EW8h2J. 0P | KD | | 1 |
| Diben; o[ajz]antzracene | KD | , g/L | OE0 | 0E16 | EW8h2J. 0P | KD | | 1 |
| Diben; of, ran | KD | , g/L | JE0 | 0E11 | EW8h2J. 0P | KD | | 1 |
| 1jJhDiczloroben; ene | KD | , g/L | JE0 | 0E0. | EW8h2J. 0P | KD | | 1 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# Base 5eutral an) OM) dWraMtables ( rPaniMOnalgsis hdy O 2 et. o) 80A6CH

**BCj Sample I3L** 141263Jh04 | **Client Sample 5ameL** K1Ch4j 2/1J/J014 J:10:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| 1jChDiczloroben; ene | KD | , g/L | JE0 | 0E03 | EW8h2J. 0P | KD | | 1 |
| 1j4hDiczloroben; ene | KD | , g/L | JE0 | 0E01 | EW8h2J. 0P | KD | | 1 |
| CjChDiczloroben; i7ine | KD | , g/L | 10 | 2E | EW8h2J. 0P | KD | | 1 |
| Diel7rin | KD | , g/L | C0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| Dietzyl pztzalate | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| Dimetzyl pztzalate | KD | , g/L | JE0 | 0E09 | EW8h2J. 0P | KD | | 1 |
| Dihmhb, tyl pztzalate | KD | , g/L | JE0 | 0E09 | EW8h2J. 0P | KD | | 1 |
| Jj4hDinitrotol, ene | KD | , g/L | JE0 | 0E16 | EW8h2J. 0P | KD | | 1 |
| Jj6hDinitrotol, ene | KD | , g/L | JE0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| Dihmhoctyl pztzalate | KD | , g/L | JE0 | 0E46 | EW8h2J. 0P | KD | | 1 |
| 1jJhDipzenylzy7ra; ine | KD | , g/L | JE0 | 0E04 | EW8h2J. 0P | KD | | 1 |
| En7os, lfan M | KD | , g/L | 10 | 1B | EW8h2J. 0P | KD | | 1 |
| En7os, lfan MM | KD | , g/L | 10 | 1E | EW8h2J. 0P | KD | | 1 |
| En7os, lfan s, lfate | KD | , g/L | C0 | 0E32 | EW8h2J. 0P | KD | | 1 |
| En7rin | KD | , g/L | JE0 | 1E | EW8h2J. 0P | KD | | 1 |
| En7rin al7ezy7e | KD | , g/L | 10 | 0E3J | EW8h2J. 0P | KD | | 1 |
| dl, orantzene | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| dl, orene | KD | , g/L | JE0 | 0E12 | EW8h2J. 0P | KD | | 1 |
| Heptaczlor | KD | , g/L | JE0 | 0E0J | EW8h2J. 0P | KD | | 1 |
| Heptaczlor epoxi7e | KD | , g/L | JE0 | 0E. | EW8h2J. 0P | KD | | 1 |
| Hexaczloroben; ene | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | JE0 | 0E14 | EW8h2J. 0P | KD | | 1 |
| Hexaczlorocyclopenta7iene | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| Hexaczloroetzane | KD | , g/L | JE0 | 0E0J | EW8h2J. 0P | KD | | 1 |
| M7eno[1jJjChc7]pyrene | KD | , g/L | JE0 | 0E16 | EW8h2J. 0P | KD | | 1 |
| Mopzorone | KD | , g/L | JE0 | 0E01 | EW8h2J. 0P | KD | | 1 |
| JhNetzylnapztzalene | KD | , g/L | JE0 | 0E12 | EW8h2J. 0P | KD | | 1 |
| Kapztzalene | KD | , g/L | JE0 | 0E11 | EW8h2J. 0P | KD | | 1 |
| JhKapztzylamine | KD | , g/L | J0 | 4E2 | EW8h2J. 0P | KD | | 1 |
| JhKitroaniline | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| ChKitroaniline | KD | , g/L | JE0 | 0E66 | EW8h2J. 0P | KD | | 1 |
| 4hKitroaniline | KD | , g/L | 3E0 | 0E2. | EW8h2J. 0P | KD | | 1 |
| Kitroben; ene | KD | , g/L | JE0 | 0E16 | EW8h2J. 0P | KD | | 1 |

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# Base 5eutral an) OM) dWraMtables ( rPaniMOnalgsis hdy O 2et. o) 80A6CH

| **BCj Sample I3L** 141263Jh04 | **Client Sample 5ameL** K1Ch4j 2/1J/J014 J:10:00WN |
|---|---|

| Constituent | Result | Enits | yVj | 2 3j | 2et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| KhKitroso7imetzylamine | KD | , g/L | JE0 | 0E61 | EW8h2J. 0P | KD | | 1 |
| KhKitroso7ihKhpropylamine | KD | , g/L | JE0 | 1E0 | EW8h2J. 0P | KD | | 1 |
| KhKitroso7ipzenylamine | KD | , g/L | JE0 | 0E44 | EW8h2J. 0P | KD | | 1 |
| Wzenantzrene | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| Wyrene | KD | , g/L | JE0 | 0E16 | EW8h2J. 0P | KD | | 1 |
| 1jJj4hTriczloroben; ene | KD | , g/L | JE0 | 0E1. | EW8h2J. 0P | KD | | 1 |
| 4hPzlorohOmetzylpzenol | KD | , g/L | 3E0 | 0E40 | EW8h2J. 0P | KD | | 1 |
| JhPzloropzenol | KD | , g/L | JE0 | 0E0 | EW8h2J. 0P | KD | | 1 |
| Jj4hDiczloropzenol | KD | , g/L | JE0 | 0E4O | EW8h2J. 0P | KD | | 1 |
| Jj4hDimetzylpzenol | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| 4j6hDinitrohJhmetzylpzenol | KD | , g/L | 10 | 0E04 | EW8h2J. 0P | KD | | 1 |
| Jj4hDinitropzenol | KD | , g/L | 10 | 0E10 | EW8h2J. 0P | KD | | 1 |
| JhNetzylpzenol | KD | , g/L | JE0 | 1E0 | EW8h2J. 0P | KD | | 1 |
| Ch& 4hNetzylpzenol | KD | , g/L | JE0 | 1E6 | EW8h2J. 0P | KD | | 1 |
| JhKitropzenol | KD | , g/L | JE0 | 0E12 | EW8h2J. 0P | KD | | 1 |
| 4hKitropzenol | KD | , g/L | JE0 | 0B O | EW8h2J. 0P | KD | | 1 |
| Wentaczloropzenol | KD | , g/L | 10 | 0B 9 | EW8h2J. 0P | KD | | 1 |
| Wzenol | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| Jj4j3hTriczloropzenol | KD | , g/L | 3E0 | 0E01 | EW8h2J. 0P | KD | | 1 |
| Jj4j6hTriczloropzenol | KD | , g/L | 3E0 | 0E60 | EW8h2J. 0P | KD | | 1 |
| JhdI, oropzenol FS, rrogateX | 60B | % | C0 h1J0 | FLPL h) PLX | EW8h2J. 0P | | | 1 |
| Wzenolh73 FS, rrogateX | 4. E1 | % | 1J h110 | FLPL h) PLX | EW8h2J. 0P | | | 1 |
| Kitroben; eneh73 FS, rrogateX | 99E9 | % | 60 h1C0 | FLPL h) PLX | EW8h2J. 0P | | | 1 |
| JhdI, orobipzenyl FS, rrogateX | 23B | % | 33 h1J3 | FLPL h) PLX | EW8h2J. 0P | | | 1 |
| Jj4j6hTribromopzenol FS, rrogateX | 10O | % | 40 h130 | FLPL h) PLX | EW8h2J. 0P | | | 1 |
| phTerpzenylh714 FS, rrogateX | 2CE0 | % | 40 h130 | FLPL h) PLX | EW8h2J. 0P | | | 1 |

| Run # | 2et. o) | yrep 3ate | Run 3ate/Time | Onalgst | Instrument | 3ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h2J. 0P | 02/19/14 | 02/J6/14 16:C3 | UH1 | NShu1 | 0E920 | uwHJ3C0 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# 5 3 2 O hdy O 2 et. o) 80A6CNSI2 H

**BCj Sample I3 L** 141263Jh04 | **Client Sample 5 ameL** K1Ch4j 2/1J/J014 J:10:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| KhKitroso7imetzylamine | KD | , g/L | 0E010 | 0E00C0 | EW8h2J. 0PhSNN KDN8 | KD | | 1 |
| Kapztzalenehr72 FS, rrogateX | . JB4 | % | 63 h14J FLPL h) PLX | | EW8h2J. 0PhSNN KDN8 | | | 1 |

| Run # | 2 et. o) | yrep 3ate | Run 3ate/Time | Onalgst | Instrument | 3ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h2J. 0PhSNN KDN8 | 02/12/14 | 02/J6/14 JJ:13 | N( 1 | NShu4 | 0E930 | uwHJ34J |

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J30 C Bdirst StBS, ite JJ2
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Reporte) L 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

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BCj Sample I3 L 141263Jh04 | Client Sample 5 ameL K1Ch4j 2/1J/J014 J:10:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| **3 issolUe) CalMum** | **9Q** | **mP/j** | **6'16** | **6'619** | **dyONI616B** | KD | | 1 |
| **3 issolUe) 2 aPnesium** | **9'7** | **mP/j** | **6'6-6** | **6'617** | **dyONI616B** | KD | | 1 |
| **3 issolUe) So) ium** | **11** | **mP/j** | **6'-6** | **6'6-1** | **dyONI616B** | 0B93 | | 1 |
| **3 issolUe) yotassium** | **0'9** | **mP/j** | **1'6** | **6'16** | **dyONI616B** | 0B11 | | 1 |
| Hy7roxi7e | KD | mg/L | 1B4 | 1B4 | EW8hO10B1 | KD | | J |
| **Total OlJalinitg as CaC( Q** | **196** | **mP/j** | **4'1** | **4'1** | **dyONQ16'1** | KD | | J |
| **C. lori) e** | **9'-** | **mP/j** | **6'-6** | **6'69A** | **dyONQ66'6** | KD | | O |
| **5 itrate as 5** | **4'9** | **mP/j** | **6'16** | **6'60-** | **dyONQ66'6** | KD | | O |
| **Sulfate** | **14** | **mP/j** | **1'6** | **6'18** | **dyONQ66'6** | KD | | O |
| **3 issolUe) Dar) ness as CaC( Q** | **176** | **mP/j** | **6'-6** | **6'16** | **CalM** | KD | | 4 |
| **Total 3 issolUe) Soli) s k 186 C** | **046** | **mP/j** | **06** | **06** | **dyONI96'1** | KD | | 3 |
| Nu8S | KD | mg/L | 0B10 | 0B013 | EW8h4J3B1 | KD | | 6 |
| **yerM lorate** | **016** | **uP/j** | **86** | **7'6** | **dyONQ14'6** | KD | **O16** | . |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h6010u | 02/1J/14 | 02/12/14 11:31 | 8RD | WEhq W1 | 1 | uwH1O13 |
| J | EW8hO10B1 | 02/12/14 | 02/12/14 16:O2 | RNL | NETh1 | 1 | uwH132O |
| O | EW8hO00B0 | 02/1O/14 | 02/14/14 0Q.J2 | qLH | NPJ | 1 | uwH1J44 |
| 4 | Palc | 02/13/14 | 02/J9/14 11:Q | TNS | Palc | 1 | uwH1Q.4 |
| 3 | EW8h160B1 | 02/12/14 | 02/12/14 1J:O0 | P8D | N8K) 8L | J | uwH13.3 |
| 6 | EW8h4J3B1 | 02/14/14 | 02/14/14 09:00 | GNK | N8K) 8L | 1 | uwH1J29 |
| . | EW8hO14B0 | 09/04/14 | 09/04/14 16:4. | LD1 | NP6 | J0 | uwM01O9 |

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J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# 2 etals Onalgsis

**BCj Sample I3 L** 141263Jh04 | **Client Sample 5 ameL** K1Ch4j 2/1J/J014 J:10:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| **3 issolUe) Ontimong** | **A'7** | **uP/j** | **166** | **4'7** | **dyON0616B** | KD | @ | 1 |
| **3 issolUe) OrseniM** | **46** | **uP/j** | **-6** | **7'0** | **dyON0616B** | 11 | @ | 1 |
| **3 issolUe) Barium** | **0-** | **uP/j** | **16** | **Q-** | **dyON0616B** | KD | | 1 |
| Dissolve7 uerylli, m | KD | , g/L | 10 | 0E30 | EW8h6010u | KD | | 1 |
| Dissolve7 Pa7mi, m | KD | , g/L | 10 | 1E1 | EW8h6010u | KD | | 1 |
| **3 issolUe) C. romium** | **1'9** | **uP/j** | **16** | **1'6** | **dyON0616B** | KD | @ | 1 |
| **3 issolUe) Cobalt** | **1'7** | **uP/j** | **-6** | **1'1** | **dyON0616B** | KD | @ | 1 |
| **3 issolUe) Copper** | **1'A** | **uP/j** | **16** | **1'6** | **dyON0616B** | KD | @ | 1 |
| Dissolve7 Lea7 | KD | , g/L | 30 | OE3 | EW8h6010u | KD | | 1 |
| Dissolve7 Nerc, ry | KD | , g/L | 0E10 | 0E0CO | EW8h 4. 08 | KD | | J |
| **3 issolUe) 2 olgb) enum** | **06** | **uP/j** | **-6** | **1'4** | **dyON0616B** | KD | @ | 1 |
| Dissolve7 Kicl el | KD | , g/L | 10 | JE4 | EW8h6010u | KD | | 1 |
| Dissolve7 Seleni, m | KD | , g/L | 100 | 13 | EW8h6010u | KD | | 1 |
| **3 issolUe) SilUer** | **1'7** | **uP/j** | **16** | **1'0** | **dyON0616B** | KD | @ | 1 |
| Dissolve7 Tzalli, m | KD | , g/L | 100 | 10 | EW8h6010u | KD | | 1 |
| **3 issolUe) cana) ium** | **-'1** | **uP/j** | **16** | **0'0** | **dyON0616B** | KD | @ | 1 |
| Dissolve7 Zinc | KD | , g/L | 10 | 3E0 | EW8h6010u | KD | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h6010u | 02/1J/14 | 02/12/14 11:31 | 8RD | WEhq W1 | 1 | uwH1O13 |
| J | EW8h 4. 08 | 02/13/14 | 02/19/14 09:33 | NEU | PET8P1 | 1 | uwH1CO1 |

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Aeologic 8ssociates
J30 C Bdirst StBS, ite JJ2
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Reporte) L 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

BCj Sample I3 L 141263Jh03 | Client Sample 5 ameL KCh4j 2/1J/J014 Q03:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen; ene | KD | , g/L | 0E30 | 0E02O | EW8h3J4B | KD | | 1 |
| uromoben; ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8h3J4B | KD | | 1 |
| nhu, tylben; ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| sechu, tylben; ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| terthu, tylben; ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| Pzloroben; ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| **C. loroform** | **6'-7** | **uP/j** | **6'-6** | **6'10** | **dyON 04'0** | KD | | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8h3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJhDibromohOhczloropropane | KD | , g/L | 1E0 | 0E44 | EW8h3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroben; ene | KD | , g/L | 0E30 | 0E0. J | EW8h3J4B | KD | | 1 |
| 1jOhDiczloroben; ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1j4hDiczloroben; ene | KD | , g/L | 0E30 | 0E06J | EW8h3J4B | KD | | 1 |
| Diczloro7ifl, orometzane | KD | , g/L | 0E30 | 0E099 | EW8h3J4B | KD | | 1 |
| 1j1hDiczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| 1j1hDiczloroetzene | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jOhDiczloropropane | KD | , g/L | 0E30 | 0E026 | EW8h3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# c olatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh03 | **Client Sample 5 ameL** KCh4j 2/1J/J014 Q03:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDiczloropropene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| transh1jChDiczloropropene | KD | , g/L | 0E30 | 0E0. 9 | EW8h3J4B | KD | | 1 |
| Etzylben; ene | KD | , g/L | 0E30 | 0E092 | EW8h3J4B | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| Mopropylben; ene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| N etzylene czlori7e | KD | , g/L | 0E30 | 0E42 | EW8h3J4B | KD | | 1 |
| N etzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Kapztzalene | KD | , g/L | 0E30 | 0E06 | EW8h3J4B | KD | | 1 |
| nhWopylben; ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Styrene | KD | , g/L | 0E30 | 0E062 | EW8h3J4B | KD | | 1 |
| 1j1j1jJhTetraczloroetzane | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| 1j1jJjJhTetraczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| **TetraM loroet. ene** | **1'A** | **uP/j** | **6'- 6** | **6'1Q** | **dyON 04'0** | KD | | 1 |
| Tol, ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| 1jJjChTriczloroben; ene | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| 1jJj4hTriczloroben; ene | KD | , g/L | 0E30 | 0E19 | EW8h3J4B | KD | | 1 |
| 1j1j1hTriczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczloroetzane | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| **TriM loroet. ene** | **A'-** | **uP/j** | **6'- 6** | **6'68-** | **dyON 04'0** | KD | | 1 |
| Triczlorofl, orometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJjChTriczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczlorohlj JjJhtrifl, oroetzane | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJj4hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 1jCj3hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 8cetone | KD | , g/L | 10 | 4E6 | EW8h3J4B | KD | | 1 |
| 8crylonitrile | KD | , g/L | 3E0 | 1E | EW8h3J4B | KD | U01jU11 | 1 |
| 8llyl czlori7e | KD | , g/L | 3E0 | 0E20 | EW8h3J4B | KD | | 1 |
| thB myl N etzyl etzer | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9E4 | EW8h3J4B | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1E0 | 0E02 | EW8h3J4B | KD | | 1 |
| transh1j4hDiczlorohJhb, tene | KD | , g/L | 3E0 | 1E4 | EW8h3J4B | KD | | 1 |

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|---|---|
| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) L** 09/02/J014 10:02<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Ch0100<br>Wrolect Nanager: Gason Sapp |

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

| **BCj Sample I3 L** 141263Jh03 | **Client Sample 5 ameL** KCh4j 2/1J/J014 Q03:00WN |
|---|---|

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4E0 | 0E9. | EW8h3J4E3 | KD | | 1 |
| Etzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E12 | EW8h3J4E3 | KD | | 1 |
| JhHexanone | KD | , g/L | 10 | OE4 | EW8h3J4E3 | KD | | 1 |
| Netzacrylonitrile | KD | , g/L | 10 | 1B | EW8h3J4E3 | KD | | 1 |
| Netzyl etzyl I etone | KD | , g/L | 10 | JE3 | EW8h3J4E3 | KD | | 1 |
| Netzyl io7i7e | KD | , g/L | JE0 | 0E4. | EW8h3J4E3 | KD | | 1 |
| Netzyl isob, tyl I etone | KD | , g/L | 10 | JE1 | EW8h3J4E3 | KD | | 1 |
| Netzyl metzacrylate | KD | , g/L | 3E0 | 1E3 | EW8h3J4E3 | KD | | 1 |
| Kitroben; ene | KD | , g/L | O0 | 1O | EW8h3J4E3 | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JE0 | 0E4O | EW8h3J4E3 | KD | U01jU11 | 1 |
| Wropionitrile | KD | , g/L | J0 | 4E3 | EW8h3J4E3 | KD | | 1 |
| Tetrazy7rof, ran | KD | , g/L | J0 | 3E3 | EW8h3J4E3 | KD | | 1 |
| ph& mhwylenes | KD | , g/L | 0E30 | 0E12 | EW8h3J4E3 | KD | | 1 |
| ohwylene | KD | , g/L | 0E30 | 0E02J | EW8h3J4E3 | KD | | 1 |
| 1jJhDiczloroetzaneh74 FS, rrogateX | 11O | % | . 3 h1J3 | FLPL h) PLX | EW8h3J4E3 | | | 1 |
| Tol, eneh72 FS, rrogateX | 9. E3 | % | 20 h1J0 | FLPL h) PLX | EW8h3J4E3 | | | 1 |
| 4hu romofl, oroben; ene FS, rrogateX | 23EO | % | 20 h1J0 | FLPL h) PLX | EW8h3J4E3 | | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h3J4E3 | 02/13/14 | 02/16/14 19:02 | GPP | NShU14 | 1 | uwH14O4 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# G ater Onalgsis HF eneral C. emistrgH

**BCj Sample I3 L** 141263Jh03 | **Client Sample 5 ameL** KCh4j 2/1J/J014 Q03:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| yerM lorate | - '0 | uP/j | 4'6 | 6'4- | dyONQ14'6 | KD | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8 hO14B0 | 09/01/14 | 09/01/14 1. :Q2 | q LH | MP6 | 1 | u wW0003 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# c olatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh06 | **Client Sample 5 ameL** K1ChJj 2/1J/J014 1J:C3:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen; ene | KD | , g/L | 0E30 | 0E02O | EW8h3J4B | KD | | 1 |
| uromoben; ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8h3J4B | KD | | 1 |
| nhu, tylben; ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| sechu, tylben; ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| terthu, tylben; ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| Pzloroben; ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| Pzloroform | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8h3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJhDibromohChczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroben; ene | KD | , g/L | 0E30 | 0E0. J | EW8h3J4B | KD | | 1 |
| 1jChDiczloroben; ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1j4hDiczloroben; ene | KD | , g/L | 0E30 | 0E06J | EW8h3J4B | KD | | 1 |
| Diczloro7ifl, orometzane | KD | , g/L | 0E30 | 0E099 | EW8h3J4B | KD | | 1 |
| **1XhN8 iM loroet. ane** | **6'49** | **uP/j** | **6'-6** | **6'11** | **dyON 04'0** | KD | @ | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| 1j1hDiczloroetzene | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| **1XhN8 iM loropropane** | **9'7** | **uP/j** | **6'-6** | **6'1Q** | **dyON 04'0** | KD | | 1 |
| 1jChDiczloropropane | KD | , g/L | 0E30 | 0E026 | EW8h3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh06 | **Client Sample 5 ameL** K1ChJj 2/1J/J014 1J:C3:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDiczloropropene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| transh1jChDiczloropropene | KD | , g/L | 0E30 | 0E0. 9 | EW8h3J4B | KD | | 1 |
| Etzylben; ene | KD | , g/L | 0E30 | 0E092 | EW8h3J4B | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| Mopropylben; ene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Netzylene czlori7e | KD | , g/L | 0E30 | 0E42 | EW8h3J4B | KD | | 1 |
| Netzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Kapztzalene | KD | , g/L | 0E30 | 0E06 | EW8h3J4B | KD | | 1 |
| nhWopylben; ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Styrene | KD | , g/L | 0E30 | 0E062 | EW8h3J4B | KD | | 1 |
| 1j1j1jJhTetraczloroetzane | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| 1j1jJjJhTetraczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| **TetraM loroet. ene** | **A'6** | **uP/j** | **6'-6** | **6'1Q** | **dyON 04'0** | KD | | 1 |
| Tol, ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| 1jJjChTriczloroben; ene | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| 1jJj4hTriczloroben; ene | KD | , g/L | 0E30 | 0E19 | EW8h3J4B | KD | | 1 |
| 1j1j1hTriczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczloroetzane | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| **TriM loroet. ene** | **1'Q** | **uP/j** | **6'-6** | **6'68-** | **dyON 04'0** | KD | | 1 |
| **TriM lorofluoromet. ane** | **6'46** | **uP/j** | **6'-6** | **6'1Q** | **dyON 04'0** | KD | @ | 1 |
| 1jJjChTriczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczlorohjJjJhtrifl, oroetzane | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJj4hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 1jCj3hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 8cetone | KD | , g/L | 10 | 4E6 | EW8h3J4B | KD | | 1 |
| 8crylonitrile | KD | , g/L | 3E0 | 1E | EW8h3J4B | KD | U01jU11 | 1 |
| 8llyl czlori7e | KD | , g/L | 3E0 | 0E20 | EW8h3J4B | KD | | 1 |
| thB myl Netzyl etzer | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9E4 | EW8h3J4B | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1E0 | 0E02 | EW8h3J4B | KD | | 1 |
| transh1j4hDiczlorohJhb, tene | KD | , g/L | 3E0 | 1E4 | EW8h3J4B | KD | | 1 |

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# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

| **BCj Sample I3 L** 141263Jh06 | **Client Sample 5 ameL** K1ChJj 2/1J/J014 1J:C3:00WN |
|---|---|

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4E0 | 0E9. | EW8h3J4E3 | KD | | 1 |
| Etzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E12 | EW8h3J4E3 | KD | | 1 |
| JhHexanone | KD | , g/L | 10 | CE4 | EW8h3J4E3 | KD | | 1 |
| Netzacrylonitrile | KD | , g/L | 10 | 1B | EW8h3J4E3 | KD | | 1 |
| Netzyl etzyl I etone | KD | , g/L | 10 | JE3 | EW8h3J4E3 | KD | | 1 |
| Netzyl io7i7e | KD | , g/L | JE0 | 0E4. | EW8h3J4E3 | KD | | 1 |
| Netzyl isob, tyl I etone | KD | , g/L | 10 | JE1 | EW8h3J4E3 | KD | | 1 |
| Netzyl metzacrylate | KD | , g/L | 3E0 | 1E3 | EW8h3J4E3 | KD | | 1 |
| Kitroben; ene | KD | , g/L | C0 | 1O | EW8h3J4E3 | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JE0 | 0E4O | EW8h3J4E3 | KD | U01jU11 | 1 |
| Wropionitrile | KD | , g/L | J0 | 4E3 | EW8h3J4E3 | KD | | 1 |
| Tetrazy7rof, ran | KD | , g/L | J0 | 3E3 | EW8h3J4E3 | KD | | 1 |
| ph& mhwylenes | KD | , g/L | 0E30 | 0E12 | EW8h3J4E3 | KD | | 1 |
| ohwylene | KD | , g/L | 0E30 | 0E02J | EW8h3J4E3 | KD | | 1 |
| 1jJhDiczloroetzaneh74 FS, rrogateX | 110 | % | . 3 h1J3 FLPL h) PLX | | EW8h3J4E3 | | | 1 |
| Tol, eneh72 FS, rrogateX | 92E1 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4E3 | | | 1 |
| 4hu romofl, oroben; ene FS, rrogateX | 26E9 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4E3 | | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h3J4E3 | 02/13/14 | 02/16/14 19:CJ | GPP | NShU14 | 1 | uwH14O4 |

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Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# G ater Onalgsis HF eneral C. emistrgH

**BCj Sample I3 L** 141263Jh06 | **Client Sample 5 ameL** K1ChJj 2/1J/J014 1J:C3:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| yerM lorate | A'8 | uP/j | 4'6 | 6'4- | dyONQ14'6 | KD | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8hO14B0 | 09/01/14 | 09/01/14 12:CO | q LH | MP6 | 1 | uwW0003 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh0. | **Client Sample 5 ameL** K16hu j 2/1J/J014 1J:30:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen; ene | KD | , g/L | 0E30 | 0E02O | EW8h3J4B | KD | | 1 |
| uromoben; ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8h3J4B | KD | | 1 |
| nhu, tylben; ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| sechu, tylben; ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| terthu, tylben; ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| Pzloroben; ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| Pzloroform | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8h3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJhDibromohOhczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroben; ene | KD | , g/L | 0E30 | 0E0. J | EW8h3J4B | KD | | 1 |
| 1jOhDiczloroben; ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1j4hDiczloroben; ene | KD | , g/L | 0E30 | 0E06J | EW8h3J4B | KD | | 1 |
| Diczloro7ifl, orometzane | KD | , g/L | 0E30 | 0E099 | EW8h3J4B | KD | | 1 |
| 1j1hDiczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| 1j1hDiczloroetzene | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jOhDiczloropropane | KD | , g/L | 0E30 | 0E026 | EW8h3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |

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Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh0. | **Client Sample 5 ameL** K16hu j 2/1J/J014 1J:30:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDiczloropropene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| transh1jChDiczloropropene | KD | , g/L | 0E30 | 0E0. 9 | EW8h3J4B | KD | | 1 |
| Etzylben; ene | KD | , g/L | 0E30 | 0E092 | EW8h3J4B | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| Mopropylben; ene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Netzylene czlori7e | KD | , g/L | 0E30 | 0E42 | EW8h3J4B | KD | | 1 |
| Netzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Kapztzalene | KD | , g/L | 0E30 | 0E06 | EW8h3J4B | KD | | 1 |
| nhWopylben; ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Styrene | KD | , g/L | 0E30 | 0E062 | EW8h3J4B | KD | | 1 |
| 1j1j1jJhTetraczloroetzane | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| 1j1jJjJhTetraczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| **TetraM loroet. ene** | **Q4** | **uP/j** | **6'-6** | **6'1Q** | **dyON 04'0** | KD | | 1 |
| Tol, ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| 1jJjChTriczloroben; ene | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| 1jJj4hTriczloroben; ene | KD | , g/L | 0E30 | 0E19 | EW8h3J4B | KD | | 1 |
| 1j1j1hTriczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczloroetzane | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| **TriM loroet. ene** | **6'0A** | **uP/j** | **6'-6** | **6'68-** | **dyON 04'0** | KD | @ | 1 |
| **TriM lorofluoromet. ane** | **6'46** | **uP/j** | **6'-6** | **6'1Q** | **dyON 04'0** | KD | @ | 1 |
| 1jJjChTriczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczlorohjJjJhtrifl, oroetzane | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJj4hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 1jCj3hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 8cetone | KD | , g/L | 10 | 4E6 | EW8h3J4B | KD | | 1 |
| 8crylonitrile | KD | , g/L | 3E0 | 1E | EW8h3J4B | KD | U01jU11 | 1 |
| 8llyl czlori7e | KD | , g/L | 3E0 | 0E20 | EW8h3J4B | KD | | 1 |
| thB myl Netzyl etzer | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9E4 | EW8h3J4B | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1E0 | 0E02 | EW8h3J4B | KD | | 1 |
| transh1j4hDiczlorohJhb, tene | KD | , g/L | 3E0 | 1E4 | EW8h3J4B | KD | | 1 |

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# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

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|---|---|
| **BCj Sample I3 L** 141263Jh0. | **Client Sample 5 ameL** K16hu j 2/1J/J014 1J:30:00WN |

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4E0 | 0E9. | EW8h3J4E3 | KD | | 1 |
| Etzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E12 | EW8h3J4E3 | KD | | 1 |
| JhHexanone | KD | , g/L | 10 | OE4 | EW8h3J4E3 | KD | | 1 |
| Netzacrylonitrile | KD | , g/L | 10 | 1B | EW8h3J4E3 | KD | | 1 |
| Netzyl etzyl I etone | KD | , g/L | 10 | JE3 | EW8h3J4E3 | KD | | 1 |
| Netzyl io7i7e | KD | , g/L | JE0 | 0E4. | EW8h3J4E3 | KD | | 1 |
| Netzyl isob, tyl I etone | KD | , g/L | 10 | JE1 | EW8h3J4E3 | KD | | 1 |
| Netzyl metzacrylate | KD | , g/L | 3E0 | 1E3 | EW8h3J4E3 | KD | | 1 |
| Kitroben; ene | KD | , g/L | O0 | 1O | EW8h3J4E3 | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JE0 | 0E4O | EW8h3J4E3 | KD | U01jU11 | 1 |
| Wropionitrile | KD | , g/L | J0 | 4E3 | EW8h3J4E3 | KD | | 1 |
| Tetrazy7rof, ran | KD | , g/L | J0 | 3E3 | EW8h3J4E3 | KD | | 1 |
| ph& mhwylenes | KD | , g/L | 0E30 | 0E12 | EW8h3J4E3 | KD | | 1 |
| ohwylene | KD | , g/L | 0E30 | 0E02J | EW8h3J4E3 | KD | | 1 |
| 1jJhDiczloroetzaneh74 FS, rrogateX | 11J | % | . 3 h1J3 FLPL h) PLX | | EW8h3J4E3 | | | 1 |
| Tol, eneh72 FS, rrogateX | 96E9 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4E3 | | | 1 |
| 4hu romofl, oroben; ene FS, rrogateX | 24E0 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4E3 | | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h3J4E3 | 02/13/14 | 02/16/14 19:33 | GPP | NShU14 | 1 | uwH14O4 |

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|---|---|
| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) L** 09/02/J014 10:02<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Ch0100<br>Wrolect Nanager: Gason Sapp |

# G ater Onalgsis HF eneral C. emistrgH

| **BCj Sample I3 L** 141263Jh0. | **Client Sample 5 ameL** K16huj 2/1J/J014 1J:30:00WN |
|---|---|

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| Werczlorate | KD | , g/L | 4E0 | 0E43 | EW8hO14E0 | KD | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8hO14E0 | 09/01/14 | 09/01/14 J0:01 | q LH | MP6 | 1 | uwW0003 |

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A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# c olatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh02 | **Client Sample 5 ameL** K16hP1j 2/1J/J014 1:J0:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen; ene | KD | , g/L | 0E30 | 0E02O | EW8h3J4B | KD | | 1 |
| uromoben; ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8h3J4B | KD | | 1 |
| nhu, tylben; ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| sechu, tylben; ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| terthu, tylben; ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| Pzloroben; ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| Pzloroform | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8h3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJhDibromohOhczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroben; ene | KD | , g/L | 0E30 | 0E0. J | EW8h3J4B | KD | | 1 |
| 1jOhDiczloroben; ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1j4hDiczloroben; ene | KD | , g/L | 0E30 | 0E06J | EW8h3J4B | KD | | 1 |
| Diczloro7ifl, orometzane | KD | , g/L | 0E30 | 0E099 | EW8h3J4B | KD | | 1 |
| 1j1hDiczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| 1j1hDiczloroetzene | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jOhDiczloropropane | KD | , g/L | 0E30 | 0E026 | EW8h3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |

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J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# c olatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh02 | **Client Sample 5 ameL** K16hP1j 2/1J/J014 1:J0:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDiczloropropene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| transh1jChDiczloropropene | KD | , g/L | 0E30 | 0E0. 9 | EW8h3J4B | KD | | 1 |
| Etzylben; ene | KD | , g/L | 0E30 | 0E092 | EW8h3J4B | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| Mopropylben; ene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| N etzylene czlori7e | KD | , g/L | 0E30 | 0E42 | EW8h3J4B | KD | | 1 |
| N etzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Kapztzalene | KD | , g/L | 0E30 | 0E06 | EW8h3J4B | KD | | 1 |
| nhWopylben; ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Styrene | KD | , g/L | 0E30 | 0E062 | EW8h3J4B | KD | | 1 |
| 1j1j1jJhTetraczloroetzane | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| 1j1jJjJhTetraczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| Tetraczloroetzene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| **Toluene** | **1'8** | **uP/j** | **6'- 6** | **6'67Q** | **dyON 04'0** | KD | | 1 |
| 1jJjChTriczloroben; ene | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| 1jJj4hTriczloroben; ene | KD | , g/L | 0E30 | 0E19 | EW8h3J4B | KD | | 1 |
| 1j1j1hTriczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczloroetzane | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| Triczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |
| Triczlorofl, orometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJjChTriczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczlorohjJjJhtrifl, oroetzane | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJj4hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 1jCj3hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 8cetone | KD | , g/L | 10 | 4E6 | EW8h3J4B | KD | | 1 |
| 8crylonitrile | KD | , g/L | 3E0 | 1E | EW8h3J4B | KD | U01jU11 | 1 |
| 8llyl czlori7e | KD | , g/L | 3E0 | 0E20 | EW8h3J4B | KD | | 1 |
| thBmyl N etzyl etzer | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9E4 | EW8h3J4B | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1E0 | 0E02 | EW8h3J4B | KD | | 1 |
| transh1j4hDiczlorohJhb, tene | KD | , g/L | 3E0 | 1E4 | EW8h3J4B | KD | | 1 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh02 | **Client Sample 5 ameL** K16hP1j 2/1J/J014 1:J0:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4E0 | 0E9. | EW8h3J4E3 | KD | | 1 |
| Etzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E12 | EW8h3J4E3 | KD | | 1 |
| JhHexanone | KD | , g/L | 10 | OE4 | EW8h3J4E3 | KD | | 1 |
| Netzacrylonitrile | KD | , g/L | 10 | 1B | EW8h3J4E3 | KD | | 1 |
| Netzyl etzyl I etone | KD | , g/L | 10 | JE3 | EW8h3J4E3 | KD | | 1 |
| Netzyl io7i7e | KD | , g/L | JE0 | 0E4. | EW8h3J4E3 | KD | | 1 |
| Netzyl isob, tyl I etone | KD | , g/L | 10 | JE1 | EW8h3J4E3 | KD | | 1 |
| Netzyl metzacrylate | KD | , g/L | 3E0 | 1E3 | EW8h3J4E3 | KD | | 1 |
| Kitroben; ene | KD | , g/L | O0 | 1O | EW8h3J4E3 | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JE0 | 0E4O | EW8h3J4E3 | KD | U01jU11 | 1 |
| Wropionitrile | KD | , g/L | J0 | 4E3 | EW8h3J4E3 | KD | | 1 |
| Tetrazy7rof, ran | KD | , g/L | J0 | 3E3 | EW8h3J4E3 | KD | | 1 |
| ph& mhwylenes | KD | , g/L | 0E30 | 0E12 | EW8h3J4E3 | KD | | 1 |
| ohwylene | KD | , g/L | 0E30 | 0E02J | EW8h3J4E3 | KD | | 1 |
| 1jJhDiczloroetzaneh74 FS, rrogateX | 109 | % | . 3 h1J3 FLPL h) PLX | | EW8h3J4E3 | | | 1 |
| Tol, eneh72 FS, rrogateX | 99E2 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4E3 | | | 1 |
| 4hu romofl, oroben; ene FS, rrogateX | 29E0 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4E3 | | | 1 |

| Run # | 2 et. o) | yrep 3ate | Run 3ate/Time | Onalgst | Instrument | 3ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h3J4E3 | 02/13/14 | 02/16/14 J0:12 | GPP | NShU14 | 1 | uwH14O4 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# G ater Onalgsis HF eneral C. emistrgH

**BCj Sample I3 L** 141263Jh02 | **Client Sample 5 ameL** K16hP1j 2/1J/J014 1:J0:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| Werczlorate | KD | , g/L | 4E0 | 0E43 | EW8hO14E0 | KD | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8hO14E0 | 09/01/14 | 09/01/14 J0:13 | q LH | MP6 | 1 | uwW0003 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# c olatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh09 | **Client Sample 5 ameL** K16hPJj 2/1J/J014 1:43:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen; ene | KD | , g/L | 0E30 | 0E02O | EW8h3J4B | KD | | 1 |
| uromoben; ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8h3J4B | KD | | 1 |
| nhu, tylben; ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| sechu, tylben; ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| terthu, tylben; ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| Pzloroben; ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| Pzloroform | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8h3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJhDibromohOhczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroben; ene | KD | , g/L | 0E30 | 0E0. J | EW8h3J4B | KD | | 1 |
| 1jOhDiczloroben; ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1j4hDiczloroben; ene | KD | , g/L | 0E30 | 0E06J | EW8h3J4B | KD | | 1 |
| Diczloro7ifl, orometzane | KD | , g/L | 0E30 | 0E099 | EW8h3J4B | KD | | 1 |
| 1j1hDiczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| 1j1hDiczloroetzene | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jOhDiczloropropane | KD | , g/L | 0E30 | 0E026 | EW8h3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |

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J30 C Bdirst StBS, ite JJ2
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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh09 | **Client Sample 5 ameL** K16hPJj 2/1J/J014 1:43:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDiczloropropene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| transh1jChDiczloropropene | KD | , g/L | 0E30 | 0E0. 9 | EW8h3J4B | KD | | 1 |
| Etzylben; ene | KD | , g/L | 0E30 | 0E092 | EW8h3J4B | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| Mopropylben; ene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Netzylene czlori7e | KD | , g/L | 0E30 | 0E42 | EW8h3J4B | KD | | 1 |
| Netzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Kapztzalene | KD | , g/L | 0E30 | 0E06 | EW8h3J4B | KD | | 1 |
| nhWopylben; ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Styrene | KD | , g/L | 0E30 | 0E062 | EW8h3J4B | KD | | 1 |
| 1j1j1jJhTetraczloroetzane | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| 1j1jJjJhTetraczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| Tetraczloroetzene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| **Toluene** | **4'8** | **uP/j** | **6'- 6** | **6'67Q** | **dyON 04'0** | KD | | 1 |
| 1jJjChTriczloroben; ene | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| 1jJj4hTriczloroben; ene | KD | , g/L | 0E30 | 0E19 | EW8h3J4B | KD | | 1 |
| 1j1j1hTriczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczloroetzane | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| Triczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |
| Triczlorofl, orometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJjChTriczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczlorohlj JjJhtrifl, oroetzane | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJj4hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 1jCj3hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 8cetone | KD | , g/L | 10 | 4E6 | EW8h3J4B | KD | | 1 |
| 8crylonitrile | KD | , g/L | 3E0 | 1E | EW8h3J4B | KD | U01jU11 | 1 |
| 8llyl czlori7e | KD | , g/L | 3E0 | 0E20 | EW8h3J4B | KD | | 1 |
| thBmyl Netzyl etzer | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9E4 | EW8h3J4B | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1E0 | 0E02 | EW8h3J4B | KD | | 1 |
| transh1j4hDiczlorohJhb, tene | KD | , g/L | 3E0 | 1E4 | EW8h3J4B | KD | | 1 |

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Aeologic 8ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh09 | **Client Sample 5 ameL** K16hPJj 2/1J/J014 1:43:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4B0 | 0B9. | EW8h3J4B3 | KD | | 1 |
| Etzyl thb, tyl etzer | KD | , g/L | 0B30 | 0B12 | EW8h3J4B3 | KD | | 1 |
| JhHexanone | KD | , g/L | 10 | OB4 | EW8h3J4B3 | KD | | 1 |
| Netzacrylonitrile | KD | , g/L | 10 | 1B | EW8h3J4B3 | KD | | 1 |
| Netzyl etzyl I etone | KD | , g/L | 10 | JB3 | EW8h3J4B3 | KD | | 1 |
| Netzyl io7i7e | KD | , g/L | JB0 | 0B4. | EW8h3J4B3 | KD | | 1 |
| Netzyl isob, tyl I etone | KD | , g/L | 10 | JB1 | EW8h3J4B3 | KD | | 1 |
| Netzyl metzacrylate | KD | , g/L | 3B0 | 1B3 | EW8h3J4B3 | KD | | 1 |
| Kitroben; ene | KD | , g/L | O0 | 1O | EW8h3J4B3 | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JB0 | 0B4O | EW8h3J4B3 | KD | U01jU11 | 1 |
| Wropionitrile | KD | , g/L | J0 | 4B3 | EW8h3J4B3 | KD | | 1 |
| Tetrazy7rof, ran | KD | , g/L | J0 | 3B3 | EW8h3J4B3 | KD | | 1 |
| ph& mhwylenes | KD | , g/L | 0B30 | 0B12 | EW8h3J4B3 | KD | | 1 |
| ohwylene | KD | , g/L | 0B30 | 0B02J | EW8h3J4B3 | KD | | 1 |
| 1jJhDiczloroetzaneh74 FS, rrogateX | 109 | % | . 3 h1J3 FLPL h) PLX | | EW8h3J4B3 | | | 1 |
| Tol, eneh72 FS, rrogateX | 99B3 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4B3 | | | 1 |
| 4hu romofl, oroben; ene FS, rrogateX | 2. B | % | 20 h1J0 FLPL h) PLX | | EW8h3J4B3 | | | 1 |

| Run # | 2 et. o) | y rep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h3J4B3 | 02/13/14 | 02/16/14 J0:4J | GPP | NShU14 | 1 | uwH14O4 |

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A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# G ater Onalgsis HF eneral C. emistrgH

**BCj Sample I3 L** 141263Jh09 | **Client Sample 5 ameL** K16hPJj 2/1J/J014 1:43:00WN

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| Werczlorate | KD | , g/L | 4E0 | 0E43 | EW8hO14E0 | KD | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8hO14E0 | 09/01/14 | 09/01/14 J0:J9 | q LH | MP6 | 1 | uwW0003 |

A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# c olatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh10 | **Client Sample 5 ameL** K19Rhuj 2/1J/J014 9:33:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen; ene | KD | , g/L | 0E30 | 0E02O | EW8r3J4B | KD | | 1 |
| uromoben; ene | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8r3J4B | KD | | 1 |
| nhu, tylben; ene | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| sechu, tylben; ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| terthu, tylben; ene | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| Pzloroben; ene | KD | , g/L | 0E30 | 0E09O | EW8r3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| Pzloroform | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8r3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jJhDibromohOhczloropropane | KD | , g/L | 1E0 | 0E14 | EW8r3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E16 | EW8r3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloroben; ene | KD | , g/L | 0E30 | 0E0. J | EW8r3J4B | KD | | 1 |
| 1jOhDiczloroben; ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1j4hDiczloroben; ene | KD | , g/L | 0E30 | 0E06J | EW8r3J4B | KD | | 1 |
| Diczloro7ifl, orometzane | KD | , g/L | 0E30 | 0E099 | EW8r3J4B | KD | | 1 |
| 1j1hDiczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| 1j1hDiczloroetzene | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8r3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jOhDiczloropropane | KD | , g/L | 0E30 | 0E026 | EW8r3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8r3J4B | KD | | 1 |

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|---|---|
| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) L** 09/02/J014 10:02<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Ch0100<br>Wrolect Nanager: Gason Sapp |

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

| **BCj Sample I3 L** 141263Jh10 | **Client Sample 5 ameL** K19Rhuj 2/1J/J014 9:33:008N |
|---|---|

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDiczloropropene | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| transh1jChDiczloropropene | KD | , g/L | 0E30 | 0E0. 9 | EW8r3J4B | KD | | 1 |
| Etzylben; ene | KD | , g/L | 0E30 | 0E092 | EW8r3J4B | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| Mopropylben; ene | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| Netzylene czlori7e | KD | , g/L | 0E30 | 0E42 | EW8r3J4B | KD | | 1 |
| Netzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| Kapztzalene | KD | , g/L | 0E30 | 0E06 | EW8r3J4B | KD | | 1 |
| nhWopylben; ene | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| Styrene | KD | , g/L | 0E30 | 0E062 | EW8r3J4B | KD | | 1 |
| 1j1j1jJhTetraczloroetzane | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| 1j1jJjJhTetraczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| **TetraM loroet. ene** | **1'Q** | **uP/j** | **6'-6** | **6'1Q** | **dyON 04'0** | KD | | 1 |
| Tol, ene | KD | , g/L | 0E30 | 0E09O | EW8r3J4B | KD | | 1 |
| 1jJjChTriczloroben; ene | KD | , g/L | 0E30 | 0E16 | EW8r3J4B | KD | | 1 |
| 1jJj4hTriczloroben; ene | KD | , g/L | 0E30 | 0E19 | EW8r3J4B | KD | | 1 |
| 1j1j1hTriczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| 1j1jJhTriczloroetzane | KD | , g/L | 0E30 | 0E16 | EW8r3J4B | KD | | 1 |
| **TriM loroet. ene** | **4'-** | **uP/j** | **6'-6** | **6'68-** | **dyON 04'0** | KD | | 1 |
| Triczlorofl, orometzane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jJjChTriczloropropane | KD | , g/L | 1E0 | 0E14 | EW8r3J4B | KD | | 1 |
| 1j1jJhTriczlorohlj JjJhtrifl, oroetzane | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1jJj4hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| 1jCj3hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| 8cetone | KD | , g/L | 10 | 4E6 | EW8r3J4B | KD | | 1 |
| 8crylonitrile | KD | , g/L | 3E0 | 1E | EW8r3J4B | KD | U01jU11 | 1 |
| 8llyl czlori7e | KD | , g/L | 3E0 | 0E20 | EW8r3J4B | KD | | 1 |
| thB myl Netzyl etzer | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9E4 | EW8r3J4B | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1E0 | 0E02 | EW8r3J4B | KD | | 1 |
| transh1j4hDiczlorohJhb, tene | KD | , g/L | 3E0 | 1E4 | EW8r3J4B | KD | | 1 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh10 | **Client Sample 5 ameL** K19Rhuj 2/1J/J014 9:33:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4E0 | 0E9. | EW8h3J4E3 | KD | | 1 |
| Etzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E12 | EW8h3J4E3 | KD | | 1 |
| JhHexanone | KD | , g/L | 10 | OE4 | EW8h3J4E3 | KD | | 1 |
| Netzacrylonitrile | KD | , g/L | 10 | 1B | EW8h3J4E3 | KD | | 1 |
| Netzyl etzyl I etone | KD | , g/L | 10 | JE3 | EW8h3J4E3 | KD | | 1 |
| Netzyl io7i7e | KD | , g/L | JE0 | 0E4. | EW8h3J4E3 | KD | | 1 |
| Netzyl isob, tyl I etone | KD | , g/L | 10 | JE1 | EW8h3J4E3 | KD | | 1 |
| Netzyl metzacrylate | KD | , g/L | 3E0 | 1E3 | EW8h3J4E3 | KD | | 1 |
| Kitroben; ene | KD | , g/L | O0 | 1O | EW8h3J4E3 | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JE0 | 0E4O | EW8h3J4E3 | KD | U01jU11 | 1 |
| Wropionitrile | KD | , g/L | J0 | 4E3 | EW8h3J4E3 | KD | | 1 |
| Tetrazy7rof, ran | KD | , g/L | J0 | 3E3 | EW8h3J4E3 | KD | | 1 |
| ph& mhwylenes | KD | , g/L | 0E30 | 0E12 | EW8h3J4E3 | KD | | 1 |
| ohwylene | KD | , g/L | 0E30 | 0E02J | EW8h3J4E3 | KD | | 1 |
| 1jJhDiczloroetzaneh74 FS, rrogateX | 112 | % | . 3 h1J3 FLPL h) PLX | | EW8h3J4E3 | | | 1 |
| Tol, eneh72 FS, rrogateX | 92E6 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4E3 | | | 1 |
| 4hu romofl, oroben; ene FS, rrogateX | 26E0 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4E3 | | | 1 |

| Run # | 2 et. o) | y rep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h3J4E3 | 02/13/14 | 02/16/14 J1:03 | GPP | NShU14 | 1 | uwH1142 |

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A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# G ater Onalgsis HF eneral C. emistrgH

**BCj Sample I3 L** 141263Jh10 | **Client Sample 5 ameL** K19Rhuj 2/1J/J014 9:33:008 N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| yerM lorate | QA | uP/j | 4'6 | 6'4- | dyONQ14'6 | KD | @ | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8hO14B0 | 09/01/14 | 09/01/14 J0:4O | q LH | MP6 | 1 | uwW0003 |

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Aeologic 8ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

Reporte) L 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

BCj Sample I3 L 141263Jh11 | Client Sample 5 ameL K19RhP1j 2/1J/J014 10:30:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen; ene | KD | , g/L | 0E30 | 0E02O | EW8r3J4B | KD | | 1 |
| uromoben; ene | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8r3J4B | KD | | 1 |
| nhu, tylben; ene | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| sechu, tylben; ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| terthu, tylben; ene | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| Pzloroben; ene | KD | , g/L | 0E30 | 0E09O | EW8r3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| Pzloroform | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8r3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jJhDibromohOhczloropropane | KD | , g/L | 1E0 | 0E14 | EW8r3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E16 | EW8r3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloroben; ene | KD | , g/L | 0E30 | 0E0. J | EW8r3J4B | KD | | 1 |
| 1jOhDiczloroben; ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1j4hDiczloroben; ene | KD | , g/L | 0E30 | 0E06J | EW8r3J4B | KD | | 1 |
| Diczloro7ifl, orometzane | KD | , g/L | 0E30 | 0E099 | EW8r3J4B | KD | | 1 |
| 1j1hDiczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| 1j1hDiczloroetzene | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8r3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jOhDiczloropropane | KD | , g/L | 0E30 | 0E026 | EW8r3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8r3J4B | KD | | 1 |

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Aeologic 8ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh11 | **Client Sample 5 ameL** K19RhP1j 2/1J/J014 10:30:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDiczloropropene | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| transh1jChDiczloropropene | KD | , g/L | 0E30 | 0E0. 9 | EW8r3J4B | KD | | 1 |
| Etzylben; ene | KD | , g/L | 0E30 | 0E092 | EW8r3J4B | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| Mopropylben; ene | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| Netzylene czlori7e | KD | , g/L | 0E30 | 0E42 | EW8r3J4B | KD | | 1 |
| Netzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| Kapztzalene | KD | , g/L | 0E30 | 0E06 | EW8r3J4B | KD | | 1 |
| nhWopylben; ene | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| Styrene | KD | , g/L | 0E30 | 0E062 | EW8r3J4B | KD | | 1 |
| 1j1j1jJhTetraczloroetzane | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| 1j1jJjJhTetraczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| Tetraczloroetzene | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| Tol, ene | KD | , g/L | 0E30 | 0E09O | EW8r3J4B | KD | | 1 |
| 1jJjChTriczloroben; ene | KD | , g/L | 0E30 | 0E16 | EW8r3J4B | KD | | 1 |
| 1jJj4hTriczloroben; ene | KD | , g/L | 0E30 | 0E19 | EW8r3J4B | KD | | 1 |
| 1j1j1hTriczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| 1j1jJhTriczloroetzane | KD | , g/L | 0E30 | 0E16 | EW8r3J4B | KD | | 1 |
| Triczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8r3J4B | KD | | 1 |
| Triczlorofl, orometzane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jJjChTriczloropropane | KD | , g/L | 1E0 | 0E14 | EW8r3J4B | KD | | 1 |
| 1j1jJhTriczlorohlj JjJhtrifl, oroetzane | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1jJj4hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| 1jCj3hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| 8cetone | KD | , g/L | 10 | 4E6 | EW8r3J4B | KD | | 1 |
| 8crylonitrile | KD | , g/L | 3E0 | 1E1 | EW8r3J4B | KD | U01jU11 | 1 |
| 8llyl czlori7e | KD | , g/L | 3E0 | 0E20 | EW8r3J4B | KD | | 1 |
| thB myl Netzyl etzer | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9E4 | EW8r3J4B | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1E0 | 0E02 | EW8r3J4B | KD | | 1 |
| transh1j4hDiczlorohJhb, tene | KD | , g/L | 3E0 | 1E4 | EW8r3J4B | KD | | 1 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh11 | **Client Sample 5 ameL** K19RhP1j 2/1J/J014 10:30:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4B0 | 0B9. | EW8h3J4B3 | KD | | 1 |
| Etzyl thb, tyl etzer | KD | , g/L | 0B30 | 0B12 | EW8h3J4B3 | KD | | 1 |
| JhHexanone | KD | , g/L | 10 | OB4 | EW8h3J4B3 | KD | | 1 |
| Netzacrylonitrile | KD | , g/L | 10 | 1B | EW8h3J4B3 | KD | | 1 |
| Netzyl etzyl I etone | KD | , g/L | 10 | JB3 | EW8h3J4B3 | KD | | 1 |
| Netzyl io7i7e | KD | , g/L | JB0 | 0B4. | EW8h3J4B3 | KD | | 1 |
| Netzyl isob, tyl I etone | KD | , g/L | 10 | JB1 | EW8h3J4B3 | KD | | 1 |
| Netzyl metzacrylate | KD | , g/L | 3B0 | 1B3 | EW8h3J4B3 | KD | | 1 |
| Kitroben; ene | KD | , g/L | O0 | 1O | EW8h3J4B3 | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JB0 | 0B4O | EW8h3J4B3 | KD | U01jU11 | 1 |
| Wropionitrile | KD | , g/L | J0 | 4B3 | EW8h3J4B3 | KD | | 1 |
| Tetrazy7rof, ran | KD | , g/L | J0 | 3B3 | EW8h3J4B3 | KD | | 1 |
| ph& mhwylenes | KD | , g/L | 0B30 | 0B12 | EW8h3J4B3 | KD | | 1 |
| ohwylene | KD | , g/L | 0B30 | 0B02J | EW8h3J4B3 | KD | | 1 |
| 1jJhDiczloroetzaneh74 FS, rrogateX | 102 | % | . 3 h1J3 FLPL h) PLX | | EW8h3J4B3 | | | 1 |
| Tol, eneh72 FS, rrogateX | 99B0 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4B3 | | | 1 |
| 4hu romofl, oroben; ene FS, rrogateX | 26B0 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4B3 | | | 1 |

| Run # | 2 et. o) | yrep 3ate | Run 3ate/Time | Onalgst | Instrument | 3ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h3J4B3 | 02/13/14 | 02/16/14 J1:J2 | GPP | NShU14 | 1 | uwH1142 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# G ater Onalgsis HF eneral C. emistrgH

**BCj Sample I3 L** 141263Jh11 | **Client Sample 5 ameL** K19RhP1j 2/1J/J014 10:30:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| yerM lorate | Q- | uP/j | 4'6 | 6'4- | dyONQ14'6 | KD | @ | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8hO14B0 | 09/01/14 | 09/01/14 J0:3. | q LH | MP6 | 1 | uwW0003 |

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A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# c olatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh1J | **Client Sample 5 ameL** K19RhPJj 2/1J/J014 11:03:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen; ene | KD | , g/L | 0E30 | 0E02O | EW8r3J4B | KD | | 1 |
| uromoben; ene | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8r3J4B | KD | | 1 |
| nhu, tylben; ene | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| sechu, tylben; ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| terthu, tylben; ene | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| Pzloroben; ene | KD | , g/L | 0E30 | 0E09O | EW8r3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| Pzloroform | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8r3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jJhDibromohOhczloropropane | KD | , g/L | 1E0 | 0E14 | EW8r3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E16 | EW8r3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloroben; ene | KD | , g/L | 0E30 | 0E0. J | EW8r3J4B | KD | | 1 |
| 1jOhDiczloroben; ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1j4hDiczloroben; ene | KD | , g/L | 0E30 | 0E06J | EW8r3J4B | KD | | 1 |
| Diczloro7ifl, orometzane | KD | , g/L | 0E30 | 0E099 | EW8r3J4B | KD | | 1 |
| 1j1hDiczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| 1j1hDiczloroetzene | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8r3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jOhDiczloropropane | KD | , g/L | 0E30 | 0E026 | EW8r3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8r3J4B | KD | | 1 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh1J | **Client Sample 5 ameL** K19RhPJj 2/1J/J014 11:03:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDiczloropropene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| transh1jChDiczloropropene | KD | , g/L | 0E30 | 0E0. 9 | EW8h3J4B | KD | | 1 |
| Etzylben; ene | KD | , g/L | 0E30 | 0E092 | EW8h3J4B | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| Mopropylben; ene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Netzylene czlori7e | KD | , g/L | 0E30 | 0E42 | EW8h3J4B | KD | | 1 |
| Netzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Kapztzalene | KD | , g/L | 0E30 | 0E06 | EW8h3J4B | KD | | 1 |
| nhWopylben; ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Styrene | KD | , g/L | 0E30 | 0E062 | EW8h3J4B | KD | | 1 |
| 1j1j1jJhTetraczloroetzane | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| 1j1jJjJhTetraczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| **TetraM loroet. ene** | **6'04** | **uP/j** | **6'- 6** | **6'1Q** | **dyON 04'0** | KD | @ | 1 |
| Tol, ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| 1jJjChTriczloroben; ene | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| 1jJj4hTriczloroben; ene | KD | , g/L | 0E30 | 0E19 | EW8h3J4B | KD | | 1 |
| 1j1j1hTriczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczloroetzane | KD | , g/L | 0E30 | 0E16 | EW8h3J4B | KD | | 1 |
| Triczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |
| Triczlorofl, orometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJjChTriczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczlorohlj JjJhtrifl, oroetzane | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJj4hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 1jCj3hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 8cetone | KD | , g/L | 10 | 4E6 | EW8h3J4B | KD | | 1 |
| 8crylonitrile | KD | , g/L | 3E0 | 1E | EW8h3J4B | KD | U01jU11 | 1 |
| 8llyl czlori7e | KD | , g/L | 3E0 | 0E20 | EW8h3J4B | KD | | 1 |
| thB myl Netzyl etzer | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9E4 | EW8h3J4B | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1E0 | 0E02 | EW8h3J4B | KD | | 1 |
| transh1j4hDiczlorohJhb, tene | KD | , g/L | 3E0 | 1E4 | EW8h3J4B | KD | | 1 |

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| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) L** 09/02/J014 10:02<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Ch0100<br>Wrolect Nanager: Gason Sapp |

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

| **BCj Sample I3 L** 141263Jh1J | **Client Sample 5 ameL** K19RhPJj 2/1J/J014 11:03:008N |
|---|---|

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4E0 | 0E9. | EW8h3J4E3 | KD | | 1 |
| Etzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E12 | EW8h3J4E3 | KD | | 1 |
| JhHexanone | KD | , g/L | 10 | OE4 | EW8h3J4E3 | KD | | 1 |
| Netzacrylonitrile | KD | , g/L | 10 | 1B | EW8h3J4E3 | KD | | 1 |
| Netzyl etzyl I etone | KD | , g/L | 10 | JE3 | EW8h3J4E3 | KD | | 1 |
| Netzyl io7i7e | KD | , g/L | JE0 | 0E4. | EW8h3J4E3 | KD | | 1 |
| Netzyl isob, tyl I etone | KD | , g/L | 10 | JE1 | EW8h3J4E3 | KD | | 1 |
| Netzyl metzacrylate | KD | , g/L | 3E0 | 1E3 | EW8h3J4E3 | KD | | 1 |
| Kitroben; ene | KD | , g/L | O0 | 1O | EW8h3J4E3 | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JE0 | 0E4O | EW8h3J4E3 | KD | U01jU11 | 1 |
| Wropionitrile | KD | , g/L | J0 | 4E3 | EW8h3J4E3 | KD | | 1 |
| Tetrazy7rof, ran | KD | , g/L | J0 | 3E3 | EW8h3J4E3 | KD | | 1 |
| ph& mhwylenes | KD | , g/L | 0E30 | 0E12 | EW8h3J4E3 | KD | | 1 |
| ohwylene | KD | , g/L | 0E30 | 0E02J | EW8h3J4E3 | KD | | 1 |
| 1jJhDiczloroetzaneh74 FS, rrogateX | 104 | % | . 3 h1J3 FLPL h) PLX | | EW8h3J4E3 | | | 1 |
| Tol, eneh72 FS, rrogateX | 96E6 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4E3 | | | 1 |
| 4hu romofl, oroben; ene FS, rrogateX | 2OE3 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4E3 | | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h3J4E3 | 02/13/14 | 02/16/14 J1:31 | GPP | NShU14 | 1 | uwH1142 |

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A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# G ater Onalgsis HF eneral C. emistrgH

**BCj Sample I3 L** 141263Jh1J | **Client Sample 5 ameL** K19RhPJj 2/1J/J014 11:03:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| yerM lorate | 1'1 | uP/j | 4'6 | 6'4- | dyONQ14'6 | KD | @ | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8hO14B0 | 09/01/14 | 09/01/14 J1:11 | q LH | MP6 | 1 | uwW0003 |

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Aeologic 8ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

Reporte) L 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

BCj Sample I3 L 141263Jh1O | Client Sample 5 ameL KhD) Wj 2/1J/J014 1J:00:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen; ene | KD | , g/L | 0E30 | 0E02O | EW8r3J4B | KD | | 1 |
| uromoben; ene | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8r3J4B | KD | | 1 |
| nhu, tylben; ene | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| sechu, tylben; ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| terthu, tylben; ene | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| Pzloroben; ene | KD | , g/L | 0E30 | 0E09O | EW8r3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| Pzloroform | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8r3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jJhDibromohOhczloropropane | KD | , g/L | 1E0 | 0E14 | EW8r3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E16 | EW8r3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloroben; ene | KD | , g/L | 0E30 | 0E0. J | EW8r3J4B | KD | | 1 |
| 1jOhDiczloroben; ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1j4hDiczloroben; ene | KD | , g/L | 0E30 | 0E06J | EW8r3J4B | KD | | 1 |
| Diczloro7ifl, orometzane | KD | , g/L | 0E30 | 0E099 | EW8r3J4B | KD | | 1 |
| 1j1hDiczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| 1j1hDiczloroetzene | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8r3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jOhDiczloropropane | KD | , g/L | 0E30 | 0E026 | EW8r3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8r3J4B | KD | | 1 |

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A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# c olatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh1O | **Client Sample 5 ameL** KhD) Wj 2/1J/J014 1J:00:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDiczloropropene | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| transh1jChDiczloropropene | KD | , g/L | 0E30 | 0E0. 9 | EW8r3J4B | KD | | 1 |
| Etzylben; ene | KD | , g/L | 0E30 | 0E092 | EW8r3J4B | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| Mopropylben; ene | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| Netzylene czlori7e | KD | , g/L | 0E30 | 0E42 | EW8r3J4B | KD | | 1 |
| Netzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| Kapztzalene | KD | , g/L | 0E30 | 0E06 | EW8r3J4B | KD | | 1 |
| nhWopylben; ene | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| Styrene | KD | , g/L | 0E30 | 0E062 | EW8r3J4B | KD | | 1 |
| 1j1j1jJhTetraczloroetzane | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| 1j1jJjJhTetraczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| **TetraM loroet. ene** | **1'6** | **uP/j** | **6'- 6** | **6'1Q** | **dyON 04'0** | KD | | 1 |
| Tol, ene | KD | , g/L | 0E30 | 0E09O | EW8r3J4B | KD | | 1 |
| 1jJjChTriczloroben; ene | KD | , g/L | 0E30 | 0E16 | EW8r3J4B | KD | | 1 |
| 1jJj4hTriczloroben; ene | KD | , g/L | 0E30 | 0E19 | EW8r3J4B | KD | | 1 |
| 1j1j1hTriczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| 1j1jJhTriczloroetzane | KD | , g/L | 0E30 | 0E16 | EW8r3J4B | KD | | 1 |
| **TriM loroet. ene** | **4'6** | **uP/j** | **6'- 6** | **6'68-** | **dyON 04'0** | KD | | 1 |
| Triczlorofl, orometzane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jJjChTriczloropropane | KD | , g/L | 1E0 | 0E14 | EW8r3J4B | KD | | 1 |
| 1j1jJhTriczlorohjJjJhtrifl, oroetzane | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1jJj4hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| 1jCj3hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| 8cetone | KD | , g/L | 10 | 4E6 | EW8r3J4B | KD | | 1 |
| 8crylonitrile | KD | , g/L | 3E0 | 1E | EW8r3J4B | KD | U01jU11 | 1 |
| 8llyl czlori7e | KD | , g/L | 3E0 | 0E20 | EW8r3J4B | KD | | 1 |
| thB myl Netzyl etzer | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9E4 | EW8r3J4B | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1E0 | 0E02 | EW8r3J4B | KD | | 1 |
| transh1j4hDiczlorohJhb, tene | KD | , g/L | 3E0 | 1E4 | EW8r3J4B | KD | | 1 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh1O | **Client Sample 5 ameL** KhD) Wj 2/1J/J014 1J:00:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4B0 | 0B9. | EW8h3J4B3 | KD | | 1 |
| Etzyl thb, tyl etzer | KD | , g/L | 0B30 | 0B12 | EW8h3J4B3 | KD | | 1 |
| JhHexanone | KD | , g/L | 10 | OB4 | EW8h3J4B3 | KD | | 1 |
| Netzacrylonitrile | KD | , g/L | 10 | 1B | EW8h3J4B3 | KD | | 1 |
| Netzyl etzyl I etone | KD | , g/L | 10 | JB3 | EW8h3J4B3 | KD | | 1 |
| Netzyl io7i7e | KD | , g/L | JB0 | 0B4. | EW8h3J4B3 | KD | | 1 |
| Netzyl isob, tyl I etone | KD | , g/L | 10 | JB1 | EW8h3J4B3 | KD | | 1 |
| Netzyl metzacrylate | KD | , g/L | 3B0 | 1B3 | EW8h3J4B3 | KD | | 1 |
| Kitroben; ene | KD | , g/L | O0 | 1O | EW8h3J4B3 | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JB0 | 0B4O | EW8h3J4B3 | KD | U01jU11 | 1 |
| Wropionitrile | KD | , g/L | J0 | 4B3 | EW8h3J4B3 | KD | | 1 |
| Tetrazy7rof, ran | KD | , g/L | J0 | 3B3 | EW8h3J4B3 | KD | | 1 |
| ph& mhwylenes | KD | , g/L | 0B30 | 0B12 | EW8h3J4B3 | KD | | 1 |
| ohwylene | KD | , g/L | 0B30 | 0B02J | EW8h3J4B3 | KD | | 1 |
| 1jJhDiczloroetzaneh74 FS, rrogateX | 111 | % | . 3 h1J3 | FLPL h) PLX | EW8h3J4B3 | | | 1 |
| Tol, eneh72 FS, rrogateX | 99B4 | % | 20 h1J0 | FLPL h) PLX | EW8h3J4B3 | | | 1 |
| 4hu romofl, oroben; ene FS, rrogateX | 2. B1 | % | 20 h1J0 | FLPL h) PLX | EW8h3J4B3 | | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h3J4B3 | 02/13/14 | 02/16/14 JJ:13 | GPP | NShU14 | 1 | uwH1142 |

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A eologic 8 ssociates
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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# G ater Onalgsis HF eneral C. emistrgH

**BCj Sample I3 L** 141263Jh1O | **Client Sample 5 ameL** KhD) Wj 2/1J/J014 1J:00:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| yerM lorate | 0'7 | uP/j | 4'6 | 6'4- | dyONQ14'6 | KD | @ | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8hO14B0 | 09/01/14 | 09/01/14 J1:J4 | q LH | MP6 | 1 | uwW0003 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# c olatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh14 | **Client Sample 5 ameL** QP8uj 2/1J/J014 1J:00:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen; ene | KD | , g/L | 0E30 | 0E02O | EW8r3J4B | KD | | 1 |
| uromoben; ene | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8r3J4B | KD | | 1 |
| nhu, tylben; ene | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| sechu, tylben; ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| terthu, tylben; ene | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| Pzloroben; ene | KD | , g/L | 0E30 | 0E09O | EW8r3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| Pzloroform | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8r3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jJhDibromohOhczloropropane | KD | , g/L | 1E0 | 0E14 | EW8r3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E16 | EW8r3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloroben; ene | KD | , g/L | 0E30 | 0E0. J | EW8r3J4B | KD | | 1 |
| 1jOhDiczloroben; ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1j4hDiczloroben; ene | KD | , g/L | 0E30 | 0E06J | EW8r3J4B | KD | | 1 |
| Diczloro7ifl, orometzane | KD | , g/L | 0E30 | 0E099 | EW8r3J4B | KD | | 1 |
| 1j1hDiczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| 1j1hDiczloroetzene | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8r3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jOhDiczloropropane | KD | , g/L | 0E30 | 0E026 | EW8r3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8r3J4B | KD | | 1 |

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J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# c olatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh14 | **Client Sample 5 ameL** QP8uj 2/1J/J014 1J:00:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDiczloropropene | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| transh1jChDiczloropropene | KD | , g/L | 0E30 | 0E0. 9 | EW8r3J4B | KD | | 1 |
| Etzylben; ene | KD | , g/L | 0E30 | 0E092 | EW8r3J4B | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| Mopropylben; ene | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| Netzylene czlori7e | KD | , g/L | 0E30 | 0E42 | EW8r3J4B | KD | | 1 |
| Netzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| Kapztzalene | KD | , g/L | 0E30 | 0E06 | EW8r3J4B | KD | | 1 |
| nhWopylben; ene | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| Styrene | KD | , g/L | 0E30 | 0E062 | EW8r3J4B | KD | | 1 |
| 1j1j1jJhTetraczloroetzane | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| 1j1jJjJhTetraczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| Tetraczloroetzene | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| Tol, ene | KD | , g/L | 0E30 | 0E09O | EW8r3J4B | KD | | 1 |
| 1jJjChTriczloroben; ene | KD | , g/L | 0E30 | 0E16 | EW8r3J4B | KD | | 1 |
| 1jJj4hTriczloroben; ene | KD | , g/L | 0E30 | 0E19 | EW8r3J4B | KD | | 1 |
| 1j1j1hTriczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| 1j1jJhTriczloroetzane | KD | , g/L | 0E30 | 0E16 | EW8r3J4B | KD | | 1 |
| Triczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8r3J4B | KD | | 1 |
| Triczlorofl, orometzane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jJjChTriczloropropane | KD | , g/L | 1E0 | 0E14 | EW8r3J4B | KD | | 1 |
| 1j1jJhTriczlorohlj JjJhtrifl, oroetzane | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1jJj4hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| 1jCj3hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| 8cetone | KD | , g/L | 10 | 4E6 | EW8r3J4B | KD | | 1 |
| 8crylonitrile | KD | , g/L | 3E0 | 1E | EW8r3J4B | KD | U01jU11 | 1 |
| 8llyl czlori7e | KD | , g/L | 3E0 | 0E20 | EW8r3J4B | KD | | 1 |
| thB myl Netzyl etzer | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9E4 | EW8r3J4B | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1E0 | 0E02 | EW8r3J4B | KD | | 1 |
| transh1j4hDiczlorohJhb, tene | KD | , g/L | 3E0 | 1E4 | EW8r3J4B | KD | | 1 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh14 | **Client Sample 5 ameL** QP8uj 2/1J/J014 1J:00:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4E0 | 0E9. | EW8h3J4E3 | KD | | 1 |
| Etzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E12 | EW8h3J4E3 | KD | | 1 |
| JhHexanone | KD | , g/L | 10 | OE4 | EW8h3J4E3 | KD | | 1 |
| Netzacrylonitrile | KD | , g/L | 10 | 1B | EW8h3J4E3 | KD | | 1 |
| Netzyl etzyl I etone | KD | , g/L | 10 | JE3 | EW8h3J4E3 | KD | | 1 |
| Netzyl io7i7e | KD | , g/L | JE0 | 0E4. | EW8h3J4E3 | KD | | 1 |
| Netzyl isob, tyl I etone | KD | , g/L | 10 | JE1 | EW8h3J4E3 | KD | | 1 |
| Netzyl metzacrylate | KD | , g/L | 3E0 | 1E3 | EW8h3J4E3 | KD | | 1 |
| Kitroben; ene | KD | , g/L | O0 | 1O | EW8h3J4E3 | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JE0 | 0E4O | EW8h3J4E3 | KD | U01jU11 | 1 |
| Wropionitrile | KD | , g/L | J0 | 4E3 | EW8h3J4E3 | KD | | 1 |
| Tetrazy7rof, ran | KD | , g/L | J0 | 3E3 | EW8h3J4E3 | KD | | 1 |
| ph& mhwylenes | KD | , g/L | 0E30 | 0E12 | EW8h3J4E3 | KD | | 1 |
| ohwylene | KD | , g/L | 0E30 | 0E02J | EW8h3J4E3 | KD | | 1 |
| 1jJhDiczloroetzaneh74 FS, rrogateX | 109 | % | . 3 h1J3 FLPL h) PLX | | EW8h3J4E3 | | | 1 |
| Tol, eneh72 FS, rrogateX | 101 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4E3 | | | 1 |
| 4hu romofl, oroben; ene FS, rrogateX | 24E6 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4E3 | | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h3J4E3 | 02/13/14 | 02/16/14 JJ:O2 | GPP | NShU14 | 1 | uwH1142 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh13 | **Client Sample 5 ameL** QPTuj 2/1J/J014 1J:00:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen; ene | KD | , g/L | 0E30 | 0E02O | EW8r3J4B | KD | | 1 |
| uromoben; ene | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8r3J4B | KD | | 1 |
| nhu, tylben; ene | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| sechu, tylben; ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| terthu, tylben; ene | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| Pzloroben; ene | KD | , g/L | 0E30 | 0E09O | EW8r3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| Pzloroform | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8r3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jJhDibromohOhczloropropane | KD | , g/L | 1E0 | 0E14 | EW8r3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E16 | EW8r3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloroben; ene | KD | , g/L | 0E30 | 0E0. J | EW8r3J4B | KD | | 1 |
| 1jOhDiczloroben; ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1j4hDiczloroben; ene | KD | , g/L | 0E30 | 0E06J | EW8r3J4B | KD | | 1 |
| Diczloro7ifl, orometzane | KD | , g/L | 0E30 | 0E099 | EW8r3J4B | KD | | 1 |
| 1j1hDiczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| 1j1hDiczloroetzene | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8r3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jOhDiczloropropane | KD | , g/L | 0E30 | 0E026 | EW8r3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8r3J4B | KD | | 1 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# c olatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh13 | **Client Sample 5 ameL** QPTuj 2/1J/J014 1J:00:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDiczloropropene | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| transh1jChDiczloropropene | KD | , g/L | 0E30 | 0E0. 9 | EW8r3J4B | KD | | 1 |
| Etzylben; ene | KD | , g/L | 0E30 | 0E092 | EW8r3J4B | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| Mopropylben; ene | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| Netzylene czlori7e | KD | , g/L | 0E30 | 0E42 | EW8r3J4B | KD | | 1 |
| Netzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| Kapztzalene | KD | , g/L | 0E30 | 0E06 | EW8r3J4B | KD | | 1 |
| nhWopylben; ene | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| Styrene | KD | , g/L | 0E30 | 0E062 | EW8r3J4B | KD | | 1 |
| 1j1j1jJhTetraczloroetzane | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| 1j1jJjJhTetraczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| Tetraczloroetzene | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| Tol, ene | KD | , g/L | 0E30 | 0E09O | EW8r3J4B | KD | | 1 |
| 1jJjChTriczloroben; ene | KD | , g/L | 0E30 | 0E16 | EW8r3J4B | KD | | 1 |
| 1jJj4hTriczloroben; ene | KD | , g/L | 0E30 | 0E19 | EW8r3J4B | KD | | 1 |
| 1j1j1hTriczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| 1j1jJhTriczloroetzane | KD | , g/L | 0E30 | 0E16 | EW8r3J4B | KD | | 1 |
| Triczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8r3J4B | KD | | 1 |
| Triczlorofl, orometzane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jJjChTriczloropropane | KD | , g/L | 1E0 | 0E14 | EW8r3J4B | KD | | 1 |
| 1j1jJhTriczlorohl1jJjJhtrifl, oroetzane | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1jJj4hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| 1jCj3hTrimetzylben; ene | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| 8cetone | KD | , g/L | 10 | 4E6 | EW8r3J4B | KD | | 1 |
| 8crylonitrile | KD | , g/L | 3E0 | 1E1 | EW8r3J4B | KD | U01jU11 | 1 |
| 8llyl czlori7e | KD | , g/L | 3E0 | 0E20 | EW8r3J4B | KD | | 1 |
| thB myl Netzyl etzer | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9E4 | EW8r3J4B | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1E0 | 0E02 | EW8r3J4B | KD | | 1 |
| transh1j4hDiczlorohJhb, tene | KD | , g/L | 3E0 | 1E4 | EW8r3J4B | KD | | 1 |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdy O 2 et. o) - 04'0H

**BCj Sample I3 L** 141263Jh13 | **Client Sample 5 ameL** QPTuj 2/1J/J014 1J:00:008N

| Constituent | Result | Enits | yVj | 2 3j | 2 et. o) | 2 B Bias | j ab Vuals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4E0 | 0E9. | EW8h3J4E3 | KD | | 1 |
| Etzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E12 | EW8h3J4E3 | KD | | 1 |
| JhHexanone | KD | , g/L | 10 | OE4 | EW8h3J4E3 | KD | | 1 |
| Netzacrylonitrile | KD | , g/L | 10 | 1B | EW8h3J4E3 | KD | | 1 |
| Netzyl etzyl I etone | KD | , g/L | 10 | JE3 | EW8h3J4E3 | KD | | 1 |
| Netzyl io7i7e | KD | , g/L | JE0 | 0E4. | EW8h3J4E3 | KD | | 1 |
| Netzyl isob, tyl I etone | KD | , g/L | 10 | JE1 | EW8h3J4E3 | KD | | 1 |
| Netzyl metzacrylate | KD | , g/L | 3E0 | 1E3 | EW8h3J4E3 | KD | | 1 |
| Kitroben; ene | KD | , g/L | O0 | 1O | EW8h3J4E3 | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JE0 | 0E4O | EW8h3J4E3 | KD | U01jU11 | 1 |
| Wropionitrile | KD | , g/L | J0 | 4E3 | EW8h3J4E3 | KD | | 1 |
| Tetrazy7rof, ran | KD | , g/L | J0 | 3E3 | EW8h3J4E3 | KD | | 1 |
| ph& mhwylenes | KD | , g/L | 0E30 | 0E12 | EW8h3J4E3 | KD | | 1 |
| ohwylene | KD | , g/L | 0E30 | 0E02J | EW8h3J4E3 | KD | | 1 |
| 1jJhDiczloroetzaneh74 FS, rrogateX | 10. | % | . 3 h1J3 FLPL h) PLX | | EW8h3J4E3 | | | 1 |
| Tol, eneh72 FS, rrogateX | 92E0 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4E3 | | | 1 |
| 4hu romofl, oroben; ene FS, rrogateX | 22E6 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4E3 | | | 1 |

| Run # | 2 et. o) | yrep 3 ate | Run 3 ate/Time | Onalgst | Instrument | 3 ilution | VC BatM I3 |
|---|---|---|---|---|---|---|---|
| 1 | EW8h3J4E3 | 02/13/14 | 02/16/14 1. :11 | GPP | NShU14 | 1 | uwH1142 |

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Wrolect: Rialto Werczlorate Mvestigaton
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## Vualitg Control Report N2 et. o) BlanJ Onalgsis

| Constituent | VC Sample I3 | 2 B Result | Enits | yVj | 2 3j | j ab Vuals |
|---|---|---|---|---|---|---|
| **VC BatM I3L B, D1148** | | | | | | |
| uen; ene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E02O | |
| uromoben; ene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E1O | |
| uromoczlorometzane | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E14 | |
| uromo7iczlorometzane | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E14 | |
| uromoform | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E1. | |
| uromometzane | uwH1142huL( 1 | KD | , g/L | 1E0 | 0E13 | |
| nhu, tylben; ene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E11 | |
| sechu, tylben; ene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E13 | |
| terthu, tylben; ene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E1O | |
| Parbon tetraczlori7e | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E12 | |
| Pzloroben; ene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E09O | |
| Pzloroetzane | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E14 | |
| Pzloroform | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E1J | |
| Pzlorometzane | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E14 | |
| JhPzlorotol, ene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E10 | |
| 4hPzlorotol, ene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E13 | |
| Dibromoczlorometzane | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E1O | |
| 1jJhDibromohOhczloropropane | uwH1142huL( 1 | KD | , g/L | 1E0 | 0E14 | |
| 1jJhDibromoetzane | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E16 | |
| Dibromometzane | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E14 | |
| 1jJhDiczloroben; ene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E0. J | |
| 1jOhDiczloroben; ene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E13 | |
| 1j4hDiczloroben; ene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E06J | |
| Diczloro7ifl, orometzane | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E099 | |
| 1j1hDiczloroetzane | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E11 | |
| 1jJhDiczloroetzane | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E1. | |
| 1j1hDiczloroetzene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E12 | |
| cishh1jJhDiczloroetzene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E023 | |
| transh1jJhDiczloroetzene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E13 | |
| 1jJhDiczloropropane | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E1O | |
| 1jOhDiczloropropane | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E026 | |
| JjJhDiczloropropane | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E1O | |
| 1j1hDiczloropropene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E023 | |
| cishh1jOhDiczloropropene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E14 | |

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Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdyO 2 et. o) - 04'0H

## Vualitg Control Report N2 et. o) BlanJ Onalgsis

| Constituent | VC Sample I3 | 2 B Result | Enits | yVj | 2 3j | j ab Vuals |
|---|---|---|---|---|---|---|
| **VC BatM I3L B, D1148** | | | | | | |
| transh1jCHDiczloropropene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E0. 9 | |
| Etzylben; ene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E092 | |
| Hexaczlorob, ta7iene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E1. | |
| Mopropylben; ene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E14 | |
| phMopropyltol, ene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E1J | |
| Netzylene czlori7e | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E42 | |
| Netzyl thb, tyl etzer | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E11 | |
| Kapztzalene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E06 | |
| nhWopylben; ene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E11 | |
| Styrene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E062 | |
| 1j1j1jJHTetraczloroetzane | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E12 | |
| 1j1jJjJHTetraczloroetzane | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E1. | |
| Tetraczloroetzene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E1O | |
| Tol, ene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E09O | |
| 1jJjCHTriczloroben; ene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E16 | |
| 1jJj4HTriczloroben; ene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E19 | |
| 1j1j1HTriczloroetzane | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E11 | |
| 1j1jJHTriczloroetzane | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E16 | |
| Triczloroetzene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E023 | |
| Triczlorofl, orometzane | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E1O | |
| 1jJjCHTriczloropropane | uwH1142huL( 1 | KD | , g/L | 1E0 | 0E14 | |
| 1j1jJHTriczlorohl1jJjJHtrifl, oroetzane | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E13 | |
| 1jJj4HTrimetzylben; ene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E1J | |
| 1jC3HTrimetzylben; ene | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E1J | |
| Uinyl czlori7e | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E1J | |
| 8cetone | uwH1142huL( 1 | KD | , g/L | 10 | 4E6 | |
| 8crylonitrile | uwH1142huL( 1 | KD | , g/L | 3E0 | 1E1 | |
| 8llyl czlori7e | uwH1142huL( 1 | KD | , g/L | 3E0 | 0E20 | |
| th8myl Netzyl etzer | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E13 | |
| thu, tyl alcozol | uwH1142huL( 1 | KD | , g/L | 10 | 9E4 | |
| Parbon 7is, lfi7e | uwH1142huL( 1 | KD | , g/L | 1E0 | 0E02 | |
| transh1j4HDiczlorohJHb, tene | uwH1142huL( 1 | KD | , g/L | 3E0 | 1E4 | |
| Etzyl metzacrylate | uwH1142huL( 1 | KD | , g/L | 4E0 | 0E9. | |
| Etzyl thb, tyl etzer | uwH1142huL( 1 | KD | , g/L | 0E30 | 0E12 | |

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## Vualitg Control Report N2 et. o) BlanJ Onalgsis

| Constituent | VC Sample I3 | 2 B Result | Enits | yVj | 2 3j | j ab Vuals |
|---|---|---|---|---|---|---|
| **VC BatM I3L B, D1148** | | | | | | |
| JHHexanone | uwH1142huL( 1 | KD | , g/L | 10 | OB4 | |
| Netzacrylonitrile | uwH1142huL( 1 | KD | , g/L | 10 | 1B | |
| Netzyl etzyl I etone | uwH1142huL( 1 | KD | , g/L | 10 | JB3 | |
| Netzyl io7i7e | uwH1142huL( 1 | KD | , g/L | JB0 | 0B4. | |
| Netzyl isob, tyl I etone | uwH1142huL( 1 | KD | , g/L | 10 | JB1 | |
| Netzyl metzacrylate | uwH1142huL( 1 | KD | , g/L | 3B0 | 1B3 | |
| Kitroben; ene | uwH1142huL( 1 | KD | , g/L | O0 | 1O | |
| Wentaczloroetzane | uwH1142huL( 1 | KD | , g/L | JB0 | 0B4O | |
| Wropionitrile | uwH1142huL( 1 | KD | , g/L | J0 | 4BJ | |
| Tetrazy7rof, ran | uwH1142huL( 1 | KD | , g/L | J0 | 3BJ | |
| ph& mhwylenes | uwH1142huL( 1 | KD | , g/L | 0B30 | 0BJ2 | |
| ohwylene | uwH1142huL( 1 | KD | , g/L | 0B30 | 0B02J | |
| **1X0N3 iM loroet. aneN) 4 HSurroPateH** | **B, D1148NBj K1** | **164** | % | | **A- N10- Hj Cj NECj H** | |
| **TolueneN) 8 HSurroPateH** | **B, D1148NBj K1** | **7A'Q** | % | | **86 N106 Hj Cj NECj H** | |
| **4NBromofluorobenzene HSurroPateH** | **B, D1148NBj K1** | **8A'1** | % | | **86 N106 Hj Cj NECj H** | |
| **VC BatM I3L B, D14Q4** | | | | | | |
| uen; ene | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B02O | |
| uromoben; ene | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B1O | |
| uromoczlorometzane | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0BJ4 | |
| uromo7iczlorometzane | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B14 | |
| uromoform | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0BJ. | |
| uromometzane | uwH14O4huL( 1 | KD | , g/L | 1B0 | 0BJ3 | |
| nhu, tylben; ene | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B11 | |
| sechu, tylben; ene | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B13 | |
| terthu, tylben; ene | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B1O | |
| Parbon tetraczlori7e | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B12 | |
| Pzloroben; ene | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B09O | |
| Pzloroetzane | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B14 | |
| Pzloroform | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B1J | |
| Pzlorometzane | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B14 | |
| JHPzlorotol, ene | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0BJ0 | |
| 4HPzlorotol, ene | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B13 | |
| Dibromoczlorometzane | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B1O | |

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## Vualitg Control Report N2 et. o) BlanJ Onalgsis

| Constituent | VC Sample I3 | 2 B Result | Enits | yVj | 2 3j | j ab Vuals |
|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D14Q4** | | | | | | |
| 1jJhDibromohOrczloropropane | uwH14O4huL( 1 | KD | , g/L | 1E0 | 0E4 | |
| 1jJhDibromoetzane | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E16 | |
| Dibromometzane | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E4 | |
| 1jJhDiczloroben; ene | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E0. J | |
| 1jOhDiczloroben; ene | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E13 | |
| 1j4hDiczloroben; ene | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E06J | |
| Diczloro7ifl, orometzane | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E099 | |
| 1j1hDiczloroetzane | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E11 | |
| 1jJhDiczloroetzane | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E1. | |
| 1j1hDiczloroetzene | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E12 | |
| cish1jJhDiczloroetzene | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E023 | |
| transh1jJhDiczloroetzene | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E13 | |
| 1jJhDiczloropropane | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E1O | |
| 1jOhDiczloropropane | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E026 | |
| JjJhDiczloropropane | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E1O | |
| 1j1hDiczloropropene | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E023 | |
| cish1jOhDiczloropropene | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E14 | |
| transh1jOhDiczloropropene | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E0. 9 | |
| Etzylben; ene | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E092 | |
| Hexaczlorob, ta7iene | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E1. | |
| Nopropylben; ene | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E14 | |
| phNopropyltol, ene | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E1J | |
| Netzylene czlori7e | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E42 | |
| Netzyl thb, tyl etzer | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E11 | |
| Kapztzalene | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E06 | |
| nhWopylben; ene | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E11 | |
| Styrene | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E062 | |
| 1j1j1jJhTetraczloroetzane | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E12 | |
| 1j1jJjJhTetraczloroetzane | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E1. | |
| Tetraczloroetzene | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E1O | |
| Tol, ene | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E09O | |
| 1jJjOhTriczloroben; ene | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E16 | |
| 1jJj4hTriczloroben; ene | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E19 | |
| 1j1j1hTriczloroetzane | uwH14O4huL( 1 | KD | , g/L | 0E30 | 0E11 | |

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## Vualitg Control Report N2 et. o) BlanJ Onalgsis

| Constituent | VC Sample I3 | 2 B Result | Enits | yVj | 2 3j | j ab Vuals |
|---|---|---|---|---|---|---|
| **VC BatM I3L B, D14Q4** | | | | | | |
| 1j1jJhTriczloroetzane | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B16 | |
| Triczloroetzene | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B023 | |
| Triczlorofl, orometzane | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B1O | |
| 1jJjOhTriczloropropane | uwH14O4huL( 1 | KD | , g/L | 1B0 | 0B14 | |
| 1j1jJhTriczlorohl jJjJhtrifl, oroetzane | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B13 | |
| 1jJj4hTrimetzylben; ene | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B1J | |
| 1jOj3hTrimetzylben; ene | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B1J | |
| Uinyl czlori7e | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B1J | |
| 8cetone | uwH14O4huL( 1 | KD | , g/L | 10 | 4B6 | |
| 8crylonitrile | uwH14O4huL( 1 | KD | , g/L | 3B0 | 1B1 | |
| 8llyl czlori7e | uwH14O4huL( 1 | KD | , g/L | 3B0 | 0B20 | |
| th8myl Netzyl etzer | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B13 | |
| thu, tyl alcozol | uwH14O4huL( 1 | KD | , g/L | 10 | 9B4 | |
| Parbon 7is, lfi7e | uwH14O4huL( 1 | KD | , g/L | 1B0 | 0B02 | |
| transh1j4hDiczlorohJhb, tene | uwH14O4huL( 1 | KD | , g/L | 3B0 | 1B4 | |
| Etzyl metzacrylate | uwH14O4huL( 1 | KD | , g/L | 4B0 | 0B9. | |
| Etzyl thb, tyl etzer | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B12 | |
| JhHexanone | uwH14O4huL( 1 | KD | , g/L | 10 | OB4 | |
| Netzacrylonitrile | uwH14O4huL( 1 | KD | , g/L | 10 | 1B | |
| Netzyl etzyl I etone | uwH14O4huL( 1 | KD | , g/L | 10 | JB3 | |
| Netzyl io7i7e | uwH14O4huL( 1 | KD | , g/L | JB0 | 0B4. | |
| Netzyl isob, tyl I etone | uwH14O4huL( 1 | KD | , g/L | 10 | JB1 | |
| Netzyl metzacrylate | uwH14O4huL( 1 | KD | , g/L | 3B0 | 1B3 | |
| Kitroben; ene | uwH14O4huL( 1 | KD | , g/L | O0 | 1O | |
| Wentaczloroetzane | uwH14O4huL( 1 | KD | , g/L | JB0 | 0B4O | |
| Wropionitrile | uwH14O4huL( 1 | KD | , g/L | J0 | 4B1 | |
| Tetrazy7rof, ran | uwH14O4huL( 1 | KD | , g/L | J0 | 3B1 | |
| ph& mhwylenes | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B12 | |
| ohwylene | uwH14O4huL( 1 | KD | , g/L | 0B30 | 0B02J | |
| **1X0N3 iM loroet. aneN 4 hSurroPateH** | **B, D14Q4NBj K1** | **77'1** | % | | **A- N10- hj Cj NECj H** | |
| **TolueneN 8 hSurroPateH** | **B, D14Q4NBj K1** | **77'1** | % | | **86 N106 hj Cj NECj H** | |
| **4NBromofluorobenzene hSurroPateH** | **B, D14Q4NBj K1** | **8A'Q** | % | | **86 N106 hj Cj NECj H** | |

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## Vualitg Control Report Nj aboratorg Control Sample

| Constituent | VC Sample I3 | Tgpe | Result | SpiJe jeUel | Enits | yerMent ReMbUerg | Ry3 | Control j imits yerMent ReMbUerg | Ry3 | j ab Vuals |
|---|---|---|---|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D1148** | | | | | | | | | | |
| uen; ene | uwH1142huS1 | LPS | J4B342 | J3B000 | , g/L | 92B | | . 0 h1C0 | | |
| uromo7iczlorometzane | uwH1142huS1 | LPS | JCB1C3 | J3B000 | , g/L | 9JB3 | | . 0 h1C0 | | |
| Pzloroben; ene | uwH1142huS1 | LPS | J1B9J. | J3B000 | , g/L | 2. B | | . 0 h1C0 | | |
| Pzloroetzane | uwH1142huS1 | LPS | J4B224 | J3B000 | , g/L | 99B3 | | . 0 h1C0 | | |
| 1j4hDiczloroben; ene | uwH1142huS1 | LPS | JCB0. . | J3B000 | , g/L | 9JB0 | | . 0 h1C0 | | |
| 1j1hDiczloroetzane | uwH1142huS1 | LPS | JCB9J | J3B000 | , g/L | 9CB | | . 0 h1C0 | | |
| 1j1hDiczloroetzene | uwH1142huS1 | LPS | J4B1J4 | J3B000 | , g/L | 96B3 | | . 0 h1C0 | | |
| Tol, ene | uwH1142huS1 | LPS | JCB02. | J3B000 | , g/L | 9JB0 | | . 0 h1C0 | | |
| Triczloroetzene | uwH1142huS1 | LPS | C0B CO | J3B000 | , g/L | 1JO | | . 0 h1C0 | | |
| 1jJhDiczloroetzanehr74 FS, rrogateX | uwH1142huS1 | LPS | 10B040 | 10B000 | , g/L | 100 | | . 3 h1J3 | | |
| Tol, enehr72 FS, rrogateX | uwH1142huS1 | LPS | 10B1J0 | 10B000 | , g/L | 101 | | 20 h1J0 | | |
| 4huromofl, oroben; ene FS, rrogateX | uwH1142huS1 | LPS | 9B 100 | 10B000 | , g/L | 9. B | | 20 h1J0 | | |
| **VC BatM I3 L B, D14Q4** | | | | | | | | | | |
| uen; ene | uwH14O4huS1 | LPS | JCB444 | J3B000 | , g/L | 9CB2 | | . 0 h1C0 | | |
| uromo7iczlorometzane | uwH14O4huS1 | LPS | J4B191 | J3B000 | , g/L | 96B2 | | . 0 h1C0 | | |
| Pzloroben; ene | uwH14O4huS1 | LPS | JCB01. | J3B000 | , g/L | 9JB | | . 0 h1C0 | | |
| Pzloroetzane | uwH14O4huS1 | LPS | JCB30O | J3B000 | , g/L | 94B0 | | . 0 h1C0 | | |
| 1j4hDiczloroben; ene | uwH14O4huS1 | LPS | J3BCC9 | J3B000 | , g/L | 101 | | . 0 h1C0 | | |
| 1j1hDiczloroetzane | uwH14O4huS1 | LPS | JJB6. O | J3B000 | , g/L | 90B | | . 0 h1C0 | | |
| 1j1hDiczloroetzene | uwH14O4huS1 | LPS | J4B919 | J3B000 | , g/L | 99B | | . 0 h1C0 | | |
| Tol, ene | uwH14O4huS1 | LPS | JCBC19 | J3B000 | , g/L | 9CB0 | | . 0 h1C0 | | |
| Triczloroetzene | uwH14O4huS1 | LPS | J6B600 | J3B000 | , g/L | 106 | | . 0 h1C0 | | |
| 1jJhDiczloroetzanehr74 FS, rrogateX | uwH14O4huS1 | LPS | 10B3J0 | 10B000 | , g/L | 103 | | . 3 h1J3 | | |
| Tol, enehr72 FS, rrogateX | uwH14O4huS1 | LPS | 9B2900 | 10B000 | , g/L | 92B9 | | 20 h1J0 | | |
| 4huromofl, oroben; ene FS, rrogateX | uwH14O4huS1 | LPS | 10BC90 | 10B000 | , g/L | 104 | | 20 h1J0 | | |

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Wrolect Nanager: Gason Sapp

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## Vualitg Control Report NyreMsion & OMMuraMg

| Constituent | Tgpe | SourMe Sample I3 | SourMe Result | Result | SpiJe O) ) e) | Enits | Ry3 | yerMent ReMobUerg | Control j imits Ry3 | yerMent ReMobUerg | j ab Vuals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **VC BatM I3L B, D1148** | ) se7 client sample: K | | | | | | | | | | |
| uen; ene | NS | 14161QJh 9 | KD | J. B46. | J3B000 | , g/L | | 110 | | . 0 h1C0 | |
| | NSD | 14161QJh 9 | KD | J3B21. | J3B000 | , g/L | 6BJ | 10O | J0 | . 0 h1C0 | |
| uromo7iczlorometzane | NS | 14161QJh 9 | KD | JCB901 | J3B000 | , g/L | | 93B6 | | . 0 h1C0 | |
| | NSD | 14161QJh 9 | KD | JJB62J | J3B000 | , g/L | 3BJ | 90B | J0 | . 0 h1C0 | |
| Pzloroben; ene | NS | 14161QJh 9 | KD | J3B130 | J3B000 | , g/L | | 101 | | . 0 h1C0 | |
| | NSD | 14161QJh 9 | KD | JJB4. 3 | J3B000 | , g/L | 11BJ | 29B9 | J0 | . 0 h1C0 | |
| Pzloroetzane | NS | 14161QJh 9 | KD | J. B061 | J3B000 | , g/L | | 102 | | . 0 h1C0 | |
| | NSD | 14161QJh 9 | KD | J4B906 | J3B000 | , g/L | 2BO | 99B6 | J0 | . 0 h1C0 | |
| 1j4hDiczloroben; ene | NS | 14161QJh 9 | KD | J3B204 | J3B000 | , g/L | | 10O | | . 0 h1C0 | |
| | NSD | 14161QJh 9 | KD | JCB03J | J3B000 | , g/L | 11BO | 9JBJ | J0 | . 0 h1C0 | |
| 1j1hDiczloroetzane | NS | 14161QJh 9 | KD | J3B2QJ | J3B000 | , g/L | | 10O | | . 0 h1C0 | |
| | NSD | 14161QJh 9 | KD | J4B014 | J3B000 | , g/L | . BO | 96B1 | J0 | . 0 h1C0 | |
| 1j1hDiczloroetzene | NS | 14161QJh 9 | KD | J6B0. 6 | J3B000 | , g/L | | 104 | | . 0 h1C0 | |
| | NSD | 14161QJh 9 | KD | JCB690 | J3B000 | , g/L | 9B6 | 94B2 | J0 | . 0 h1C0 | |
| Tol, ene | NS | 14161QJh 9 | KD | J4B016 | J3B000 | , g/L | | 9. BO | | . 0 h1C0 | |
| | NSD | 14161QJh 9 | KD | JCB410 | J3B000 | , g/L | CB2 | 9CB6 | J0 | . 0 h1C0 | |
| Triczloroetzene | NS | 14161QJh 9 | KD | O1BJ21 | J3B000 | , g/L | | 1J3 | | . 0 h1C0 | |
| | NSD | 14161QJh 9 | KD | C0B04. | J3B000 | , g/L | CBO | 1J1 | J0 | . 0 h1C0 | |
| 1jJhDiczloroetzaneh74 FS, rrogateX | NS | 14161QJh 9 | KD | 10B3. 0 | 10B000 | , g/L | | 106 | | . 3 h1J3 | |
| | NSD | 14161QJh 9 | KD | 9B9600 | 10B000 | , g/L | 3B9 | 99B6 | | . 3 h1J3 | |
| Tol, eneh72 FS, rrogateX | NS | 14161QJh 9 | KD | 9B2900 | 10B000 | , g/L | | 92B9 | | 20 h1J0 | |
| | NSD | 14161QJh 9 | KD | 10B060 | 10B000 | , g/L | 1B | 101 | | 20 h1J0 | |
| 4huromofl, oroben; ene FS, rrogateX | NS | 14161QJh 9 | KD | 10B1C0 | 10B000 | , g/L | | 101 | | 20 h1J0 | |
| | NSD | 14161QJh 9 | KD | 9B2000 | 10B000 | , g/L | CBO | 92B0 | | 20 h1J0 | |
| **VC BatM I3L B, D14C4** | ) se7 client sample: K | | | | | | | | | | |
| uen; ene | NS | 14122J9h0J | KD | JCB360 | J3B000 | , g/L | | 94BJ | | . 0 h1C0 | |
| | NSD | 14122J9h0J | KD | JCB309 | J3B000 | , g/L | 0BJ | 94B0 | J0 | . 0 h1C0 | |
| uromo7iczlorometzane | NS | 14122J9h0J | KD | J4B163 | J3B000 | , g/L | | 96B | | . 0 h1C0 | |
| | NSD | 14122J9h0J | KD | J4B4. 9 | J3B000 | , g/L | 1BO | 9. B9 | J0 | . 0 h1C0 | |
| Pzloroben; ene | NS | 14122J9h0J | KD | JJB96J | J3B000 | , g/L | | 91B2 | | . 0 h1C0 | |
| | NSD | 14122J9h0J | KD | JJB3. 2 | J3B000 | , g/L | 1B | 90BO | J0 | . 0 h1C0 | |
| Pzloroetzane | NS | 14122J9h0J | KD | J1B3. 9 | J3B000 | , g/L | | 26BO | | . 0 h1C0 | |
| | NSD | 14122J9h0J | KD | JJBC0O | J3B000 | , g/L | CBO | 29BJ | J0 | . 0 h1C0 | |
| 1j4hDiczloroben; ene | NS | 14122J9h0J | KD | J3BCJ3 | J3B000 | , g/L | | 101 | | . 0 h1C0 | |
| | NSD | 14122J9h0J | KD | J3B40. | J3B000 | , g/L | 0BO | 10J | J0 | . 0 h1C0 | |
| 1j1hDiczloroetzane | NS | 14122J9h0J | KD | JJB 92 | J3B000 | , g/L | | 91BJ | | . 0 h1C0 | |
| | NSD | 14122J9h0J | KD | JJB9O4 | J3B000 | , g/L | 0B6 | 91B | J0 | . 0 h1C0 | |

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J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Cr0100
Wrolect Nanager: Gason Sapp

# colatile ( rPaniMOnalgsis hdyO 2 et. o) - 04'0H

## Vualitg Control Report NyreMsion & OMMuraMg

| Constituent | Tgpe | SourMe Sample I3 | SourMe Result | Result | SpiJe O) ) e) | Enits | Ry3 | yerMent ReMoUerg | Control j imits Ry3 | yerMent ReMoUerg | j ab Vuals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D14Q4** | ) se7 client sample: K | | | | | | | | | | |
| 1j1hDiczloroetzene | NS | 14122J9h0J | KD | J4E2J. | J3E000 | , g/L | | 99E0 | | . 0 h1C0 | |
| | NSD | 14122J9h0J | KD | J4E294 | J3E000 | , g/L | 0E0 | 99E6 | J0 | . 0 h1C0 | |
| Tol, ene | NS | 14122J9h0J | KD | JCE11J | J3E000 | , g/L | | 9JE4 | | . 0 h1C0 | |
| | NSD | 14122J9h0J | KD | JJE994 | J3E000 | , g/L | 0E3 | 9JE0 | J0 | . 0 h1C0 | |
| Triczloroetzene | NS | 14122J9h0J | KD | J4E41J | J3E000 | , g/L | | 9. E6 | | . 0 h1C0 | |
| | NSD | 14122J9h0J | KD | J4E210 | J3E000 | , g/L | 1E6 | 99E4 | J0 | . 0 h1C0 | |
| 1jJhDiczloroetzaneh74 FS, rrogateX | NS | 14122J9h0J | KD | 11E020 | 10E000 | , g/L | | 111 | | . 3 h1J3 | |
| | NSD | 14122J9h0J | KD | 11E020 | 10E000 | , g/L | JE | 114 | | . 3 h1J3 | |
| Tol, eneh72 FS, rrogateX | NS | 14122J9h0J | KD | 9E9000 | 10E000 | , g/L | | 99E0 | | 20 h1J0 | |
| | NSD | 14122J9h0J | KD | 9E9200 | 10E000 | , g/L | 0E2 | 99E2 | | 20 h1J0 | |
| 4hu romofl, oroben; ene FS, rrogateX | NS | 14122J9h0J | KD | 10E490 | 10E000 | , g/L | | 103 | | 20 h1J0 | |
| | NSD | 14122J9h0J | KD | 10E440 | 10E000 | , g/L | 0E3 | 104 | | 20 h1J0 | |

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Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# ( rPanoM lorine yestiM) es an) yCBxs hdyO 2 et. o) 8686H

## Vualitg Control Report N2 et. o) BlanJ Onalgsis

| Constituent | VC Sample I3 | 2 B Result | Enits | yVj | 2 3j | j ab Vuals |
|---|---|---|---|---|---|---|
| **VC BatM I3L B, D1917** | | | | | | |
| 8I7rin | uwH1619huL( 1 | KD | , g/L | 0E0030 | 0E0001O | |
| alpzahuHP | uwH1619huL( 1 | KD | , g/L | 0E0030 | 0E0011 | |
| betahuHP | uwH1619huL( 1 | KD | , g/L | 0E0030 | 0E00J1 | |
| 7eltahuHP | uwH1619huL( 1 | KD | , g/L | 0E0030 | 0E0014 | |
| gammahuHP FLin7aneX | uwH1619huL( 1 | KD | , g/L | 0E0030 | 0E00094 | |
| Pzlor7ane FTecznicalX | uwH1619huL( 1 | KD | , g/L | 0E30 | 0E02 | |
| 4j4'hDDD | uwH1619huL( 1 | KD | , g/L | 0E0030 | 0E001. | |
| 4j4'hDDE | uwH1619huL( 1 | KD | , g/L | 0E0030 | 0E0019 | |
| 4j4'hDDT | uwH1619huL( 1 | KD | , g/L | 0E0030 | 0E000. 6 | |
| Diel7rin | uwH1619huL( 1 | KD | , g/L | 0E0030 | 0E001J | |
| En7os, lfan M | uwH1619huL( 1 | KD | , g/L | 0E0030 | 0E0016 | |
| En7os, lfan MM | uwH1619huL( 1 | KD | , g/L | 0E0030 | 0E0014 | |
| En7os, lfan s, lfate | uwH1619huL( 1 | KD | , g/L | 0E0030 | 0E00J6 | |
| En7rin | uwH1619huL( 1 | KD | , g/L | 0E0030 | 0E0002J | |
| En7rin al7ezy7e | uwH1619huL( 1 | KD | , g/L | 0E010 | 0E00OJ | |
| Heptaczlor | uwH1619huL( 1 | KD | , g/L | 0E0030 | 0E001J | |
| Heptaczlor epoxi7e | uwH1619huL( 1 | KD | , g/L | 0E0030 | 0E00099 | |
| Netzoxyczlor | uwH1619huL( 1 | KD | , g/L | 0E0030 | 0E0011 | |
| Toxapzene | uwH1619huL( 1 | KD | , g/L | JE0 | 0E4J | |
| WPuh1016 | uwH1619huL( 1 | KD | , g/L | 0E30 | 0E043 | |
| WPuh1JJ1 | uwH1619huL( 1 | KD | , g/L | 0E30 | 0E0. 0 | |
| WPuh1JOJ | uwH1619huL( 1 | KD | , g/L | 0E30 | 0E021 | |
| WPuh1J4J | uwH1619huL( 1 | KD | , g/L | 0E30 | 0E063 | |
| WPuh1J42 | uwH1619huL( 1 | KD | , g/L | 0E30 | 0E023 | |
| WPuh1J34 | uwH1619huL( 1 | KD | , g/L | 0E30 | 0E0. . | |
| WPuh1J60 | uwH1619huL( 1 | KD | , g/L | 0E30 | 0E060 | |
| Total WPu's FS, mmationX | uwH1619huL( 1 | KD | , g/L | 0E30 | 0E10 | |
| **TC2 , hSurroPateH** | **B, D1917NBj K1** | **A6'A** | % | **46 N146 hj Cj NECj H** | | |
| **3 eMaM lorobip. engl hSurroPateH** | **B, D1917NBj K1** | **94'9** | % | **46 N106 hj Cj NECj H** | | |

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Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Cr0100
Wrolect Nanager: Gason Sapp

# ( rPanoM lorine yestiM) es an) yCBxs hdyO 2 et. o) 8686H

## Vualitg Control Report Nj aboratorg Control Sample

| Constituent | VC Sample I3 | Tgpe | Result | SpiJe j eUel | Enits | yerMent ReMbUerg | Ry3 | Control j imits yerMent ReMbUerg | Ry3 | j ab Vuals |
|---|---|---|---|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D1917** | | | | | | | | | | |
| 8l7rin | uwH1619huS1 | LPS | 0B101J6 | 0B3000 | , g/L | 6. B3 | | 60 h1C0 | | |
| gammahuHP FLin7aneX | uwH1619huS1 | LPS | 0B1J2. 6 | 0B3000 | , g/L | 23B2 | | 60 h1C0 | | |
| 4j4'hDDT | uwH1619huS1 | LPS | 0B14J. 4 | 0B3000 | , g/L | 93B9 | | 60 h1C0 | | |
| Diel7rin | uwH1619huS1 | LPS | 0B1304O | 0B3000 | , g/L | 100 | | 60 h1C0 | | |
| En7rin | uwH1619huS1 | LPS | 0B1314J | 0B3000 | , g/L | 101 | | 60 h1C0 | | |
| Heptaczlor | uwH1619huS1 | LPS | 0B1J3J3 | 0B3000 | , g/L | 2CB3 | | 60 h1C0 | | |
| TPNw FS, rrogateX | uwH1619huS1 | LPS | 0B963C | 0B0000 | , g/L | 22B3 | | 40 h140 | | |
| Decaczlorobipzenyl FS, rrogateX | uwH1619huS1 | LPS | 0B094CJ | 0B3000 | , g/L | 3JB6 | | 40 h1J0 | | |

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|---|---|
| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) L** 09/02/J014 10:02<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Ch0100<br>Wrolect Nanager: Gason Sapp |

# ( rPanoM lorine yestiM) es an) yCBxs hdyO 2 et. o) 8686H

## Vualitg Control Report NyreMsion & OMMuraMg

| Constituent | Tgpe | SourMe Sample I3 | SourMe Result | Result | SpiJe O) ) e) | Enits | Ry3 | yerMent ReMoUerg | Control j imits Ry3 | yerMent ReMoUerg | j ab Vuals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **VC BatM I3L B, D1917** | ) se7 client sample: K | | | | | | | | | | |
| **Ol) rin** | NS | **14191QDN71** | **53** | **6'110-9** | **6'1-666** | **uP/j** | | **A-'6** | | **-6 N1Q6** | |
| | NSD | **14191QDN71** | **53** | **6'6A1066** | **6'1-666** | **uP/j** | **4-'6** | **4A'-** | **Q6** | **-6 N1Q6** | **V60XV 6Q** |
| gammahuHP FLin7aneX | NS | 14161QJh91 | KD | 0B1J3J2 | 0B13000 | , g/L | | 2CB3 | | 60 h1C0 | |
| | NSD | 14161QJh91 | KD | 0B1CCCC0 | 0B13000 | , g/L | 6BJ | 22B9 | C0 | 60 h1C0 | |
| 4j4'hDDT | NS | 14161QJh91 | KD | 0B1C. 0. | 0B13000 | , g/L | | 91B4 | | 60 h1C0 | |
| | NSD | 14161QJh91 | KD | 0B134J6 | 0B13000 | , g/L | 11B2 | 10C | C0 | 60 h1C0 | |
| Diel7rin | NS | 14161QJh91 | KD | 0B14C89 | 0B13000 | , g/L | | 93B | | 63 h1C0 | |
| | NSD | 14161QJh91 | KD | 0B13C8J | 0B13000 | , g/L | 6B | 10J | C0 | 63 h1C0 | |
| En7rin | NS | 14161QJh91 | KD | 0B14J91 | 0B13000 | , g/L | | 93BC | | 60 h1C0 | |
| | NSD | 14161QJh91 | KD | 0B131CC | 0B13000 | , g/L | 3B | 101 | C0 | 60 h1C0 | |
| Heptaczlor | NS | 14161QJh91 | KD | 0B1J636 | 0B13000 | , g/L | | 24B4 | | 30 h1C0 | |
| | NSD | 14161QJh91 | KD | 0B099330 | 0B13000 | , g/L | JCB9 | 66B4 | C0 | 30 h1C0 | |
| TPNw FS, rrogateX | NS | 14161QJh91 | KD | 0BJ. 46C | 0BC0000 | , g/L | | 91B3 | | 40 h140 | |
| | NSD | 14161QJh91 | KD | 0BJ6143 | 0BC0000 | , g/L | 4B9 | 2. BJ | | 40 h140 | |
| DecaczlorobipzenyI FS, rrogateX | NS | 14161QJh91 | KD | 0B4C926 | 0B3000 | , g/L | | 32B6 | | 40 h1J0 | |
| | NSD | 14161QJh91 | KD | 0B4990C | 0B3000 | , g/L | 1JB6 | 66B3 | | 40 h1J0 | |

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Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# ( rPanoNy. osp. orus yestiM) e Onalgsis hdy O 2 et. o) 8141BH

## Vualitg Control Report N2 et. o) BlanJ Onalgsis

| Constituent | VC Sample I3 | 2 B Result | Enits | yVj | 2 3j | j ab Vuals |
|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D1A94** | | | | | | |
| 8; inpzos metzyl | uwH1. 64huL( 1 | KD | , g/L | 0B30 | 0B033 | |
| uolstar | uwH1. 64huL( 1 | KD | , g/L | 0B30 | 0B033 | |
| Pzlorpyrifos | uwH1. 64huL( 1 | KD | , g/L | 0B30 | 0B010 | |
| Po, mapzos | uwH1. 64huL( 1 | KD | , g/L | 0B30 | 0B034 | |
| Demeton q /S | uwH1. 64huL( 1 | KD | , g/L | 0B30 | 0B0J6 | |
| Dia; inon | uwH1. 64huL( 1 | KD | , g/L | 0B30 | 0B044 | |
| Diczlorvos | uwH1. 64huL( 1 | KD | , g/L | 0B30 | 0B0. 0 | |
| Dis, lfoton | uwH1. 64huL( 1 | KD | , g/L | 0B30 | 0B0C9 | |
| Etzoprop | uwH1. 64huL( 1 | KD | , g/L | 0B30 | 0B0J3 | |
| dens, lfotzion | uwH1. 64huL( 1 | KD | , g/L | 0B30 | 0B022 | |
| dentzion | uwH1. 64huL( 1 | KD | , g/L | 0B30 | 0B0CO | |
| Nerpzos | uwH1. 64huL( 1 | KD | , g/L | 0B30 | 0B032 | |
| Netzyl paratzion | uwH1. 64huL( 1 | KD | , g/L | 0B30 | 0B0. 4 | |
| Nevinpzos | uwH1. 64huL( 1 | KD | , g/L | 0B30 | 0B03O | |
| Kale7 | uwH1. 64huL( 1 | KD | , g/L | 0B30 | 0B0. J | |
| Wzorate | uwH1. 64huL( 1 | KD | , g/L | 0B30 | 0B041 | |
| Ronnel FdenczlorpzosX | uwH1. 64huL( 1 | KD | , g/L | 0B30 | 0B06. | |
| Stiropzos FTetraczlorvinpzosX | uwH1. 64huL( 1 | KD | , g/L | 0B30 | 0B046 | |
| Tol , tzion FWotziofosX | uwH1. 64huL( 1 | KD | , g/L | 0B30 | 0B0CJ | |
| Triczloronate | uwH1. 64huL( 1 | KD | , g/L | 0B30 | 0B0C2 | |
| **Trip. englp. osp. ate hSurroPateH** | **B, D1A94NBj K1** | **16A** | % | **- 6 N146 hj Cj NECj H** | | |

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Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Cr0100
Wrolect Nanager: Gason Sapp

# ( rPanoNy. osp. orus yestiM) e Onalgsis hdy O 2 et. o) 8141BH

## Vualitg Control Report Nj aboratorg Control Sample

| Constituent | VC Sample I3 | Tgpe | Result | SpiJe j eUel | Enits | yerMent ReMbUerg | Ry3 | Control j imits yerMent ReMbUerg | Ry3 | j ab Vuals |
|---|---|---|---|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D1A94** | | | | | | | | | | |
| uolstar | uwH1. 64huS1 | LPS | 0E36000 | 0E20000 | , g/L | . 0E9 | | 30 h1C0 | | |
| Pzlorpyrifos | uwH1. 64huS1 | LPS | 0E69300 | 0E20000 | , g/L | 26E9 | | 60 h1J0 | | |
| Dia; inon | uwH1. 64huS1 | LPS | 0B 4300 | 0E20000 | , g/L | 9CE1 | | 60 h1C0 | | |
| Netzyl paratzion | uwH1. 64huS1 | LPS | 0E64000 | 0E20000 | , g/L | 20E9 | | 60 h1J0 | | |
| Nevinpzos | uwH1. 64huS1 | LPS | 0E6C300 | 0E20000 | , g/L | . 9E4 | | 30 h1J0 | | |
| Ronnel FdenczlorpzosX | uwH1. 64huS1 | LPS | 0E6. 300 | 0E20000 | , g/L | 24E4 | | 30 h1J0 | | |
| Stiropzos FTetraczlorvinpzosX | uwH1. 64huS1 | LPS | 0B J300 | 0E20000 | , g/L | 90E6 | | 30 h1J0 | | |
| Tripzenylpzospzate FS, rrogateX | uwH1. 64huS1 | LPS | JE4000 | JE3000 | , g/L | 96E9 | | 30 h140 | | |

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Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Cr0100
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# ( rPanoNy. osp. orus yestiM) e Onalgsis hdy O 2 et. o) 8141BH

## Vualitg Control Report NyreMsion & OMMuraMg

| Constituent | Tgpe | SourMe Sample I3 | SourMe Result | Result | SpiJe O) ) e) | Enits | Ry3 | yerMent ReMoUerg | Control j imits Ry3 | yerMent ReMoUerg | j ab Vuals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D1A94** | ) se7 client sample: K | | | | | | | | | | |
| uolstar | NS | 14161QJh . | KD | 0B32300 | 0E20000 | , g/L | | . OB1 | | 60 h1J0 | |
| | NSD | 14161QJh . | KD | 0B39000 | 0E20000 | , g/L | 0E9 | . OB2 | C0 | 60 h1J0 | |
| Pzlorpyrifos | NS | 14161QJh . | KD | 0B 4000 | 0E20000 | , g/L | | 9JB3 | | 60 h1J0 | |
| | NSD | 14161QJh . | KD | 0B 1000 | 0E20000 | , g/L | 4E1 | 22E2 | C0 | 60 h1J0 | |
| Dia; inon | NS | 14161QJh . | KD | 0B 3300 | 0E20000 | , g/L | | 94E4 | | 60 h1C0 | |
| | NSD | 14161QJh . | KD | 0B 4000 | 0E20000 | , g/L | JE0 | 9JB3 | C0 | 60 h1C0 | |
| Netzyl paratzion | NS | 14161QJh . | KD | 0E62000 | 0E20000 | , g/L | | 23E0 | | 60 h1J0 | |
| | NSD | 14161QJh . | KD | 0E63300 | 0E20000 | , g/L | CB | 21E9 | C0 | 60 h1J0 | |
| Nevinpzos | NS | 14161QJh . | KD | 0E66300 | 0E20000 | , g/L | | 2CB1 | | 30 h1J0 | |
| | NSD | 14161QJh . | KD | 0E64300 | 0E20000 | , g/L | CB1 | 20E6 | C0 | 30 h1J0 | |
| Ronnel FdenczlorpzosX | NS | 14161QJh . | KD | 0B 0000 | 0E20000 | , g/L | | 2. B3 | | 30 h1J0 | |
| | NSD | 14161QJh . | KD | 0E6. 000 | 0E20000 | , g/L | 4E4 | 2CB2 | C0 | 30 h1J0 | |
| Stiropzos FTetraczlorvinpzosX | NS | 14161QJh . | KD | 0B 2300 | 0E20000 | , g/L | | 92B1 | | 30 h1J0 | |
| | NSD | 14161QJh . | KD | 0B . 300 | 0E20000 | , g/L | 1E0 | 96E9 | C0 | 30 h1J0 | |
| Tripzenylpzospzate FS, rrogateX | NS | 14161QJh . | KD | JE3J30 | JE3000 | , g/L | | 101 | | 30 h140 | |
| | NSD | 14161QJh . | KD | JE4300 | JE3000 | , g/L | CE0 | 92E0 | | 30 h140 | |

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Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Cr0100
Wrolect Nanager: Gason Sapp

# C. lorinate) DerbiM) es hdy O 2 et. o) 81-1OH

## Vualitg Control Report N2 et. o) BlanJ Onalgsis

| Constituent | VC Sample I3 | 2 B Result | Enits | yVj | 2 3j | j ab Vuals |
|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D1871** | | | | | | |
| Jj4hD | uwH1291huL( 1 | KD | , g/L | 0E40 | 0E063 | |
| Jj4hDu | uwH1291huL( 1 | KD | , g/L | CE0 | 0E0J | |
| Dalapon | uwH1291huL( 1 | KD | , g/L | 10 | JE4 | |
| Dicamba | uwH1291huL( 1 | KD | , g/L | 0E020 | 0E0Q | |
| Diczloroprop | uwH1291huL( 1 | KD | , g/L | 0E30 | 0E01J | |
| Dinoseb | uwH1291huL( 1 | KD | , g/L | 0E10 | 0E040 | |
| Jj4j3hT | uwH1291huL( 1 | KD | , g/L | 0E090 | 0E01J | |
| Jj4j3hTWFSilvexX | uwH1291huL( 1 | KD | , g/L | 0E0. 0 | 0E016 | |
| **0X4N3 iM lorop. englaMetiMaM) hSurroPateH** | **B, D1871NBj K1** | **9Q6** | % | **Q6 N146 hj Cj NECj H** | | |

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# C. lorinate) DerbiM) es hdy O 2 et. o) 81-1OH

## Vualitg Control Report Nj aboratorg Control Sample

| Constituent | VC Sample I3 | Tgpe | Result | SpiJe j eUel | Enits | yerMent ReMbUerg | Ry3 | Control j imits yerMent ReMbUerg | Ry3 | j ab Vuals |
|---|---|---|---|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D1871** | | | | | | | | | | |
| Jj4hD | uwH1291huS1 | LPS | JB0C00 | JB4000 | , g/L | 24B6 | | 60 h1C0 | | |
| Jj4hDu | uwH1291huS1 | LPS | 3B0. 00 | 3B4000 | , g/L | 9C39 | | 60 h1C0 | | |
| Dicamba | uwH1291huS1 | LPS | 0B31000 | 0B60000 | , g/L | 23B0 | | 30 h1J0 | | |
| Diczloroprop | uwH1291huS1 | LPS | JB 300 | JB4000 | , g/L | 113 | | 30 h1J0 | | |
| Dinoseb | uwH1291huS1 | LPS | 0B C000 | 1B0000 | , g/L | 60B2 | | 40 h1J0 | | |
| Jj4j3hT | uwH1291huS1 | LPS | 0B4C000 | 0B60000 | , g/L | . 1B | | 60 h1C0 | | |
| Jj4j3hTWFSilvexX | uwH1291huS1 | LPS | 0B3J000 | 0B60000 | , g/L | 26B | | 30 h1C0 | | |
| Jj4hDiczloropzenylacetic aci7 FS, rrogate> | uwH1291huS1 | LPS | JB0100 | 4B0000 | , g/L | 3. B2 | | C0 h140 | | |

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# C. lorinate) DerbiM) es hdy O 2 et. o) 81-1OH

## Vualitg Control Report NyreMsion & OMMuraMg

| Constituent | Tgpe | SourMe Sample I3 | SourMe Result | Result | SpiJe O) ) e) | Enits | Ry3 | yerMent ReMobUerg | Control j imits Ry3 | yerMent ReMobUerg | j ab Vuals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D1871** | ) se7 client sample: K | | | | | | | | | | |
| Jj4hD | NS | 14161QJh94 | KD | 1B9J00 | JB4000 | , g/L | | 20B0 | | 30 h1C0 | |
| | NSD | 14161QJh94 | KD | 1B9. 00 | JB4000 | , g/L | JB6 | 2JB1 | C0 | 30 h1C0 | |
| Jj4hDu | NS | 14161QJh94 | KD | 3B1000 | 3B4000 | , g/L | | 94B4 | | 60 h1C0 | |
| | NSD | 14161QJh94 | KD | 3B1200 | 3B4000 | , g/L | 1B6 | 93B9 | C0 | 60 h1C0 | |
| Dicamba | NS | 14161QJh94 | KD | 0B44000 | 0B60000 | , g/L | | . C8O | | 30 h1J0 | |
| | NSD | 14161QJh94 | KD | 0B46000 | 0B60000 | , g/L | 4B4 | . 6B | C0 | 30 h1J0 | |
| Diczloroprop | NS | 14161QJh94 | KD | JB6200 | JB4000 | , g/L | | 11J | | 30 h1J0 | |
| | NSD | 14161QJh94 | KD | JB1200 | JB4000 | , g/L | J0B6 | 90B2 | C0 | 30 h1J0 | |
| Dinoseb | NS | 14161QJh94 | KD | 0B C000 | 1B1000 | , g/L | | 60B2 | | 40 h1J0 | |
| | NSD | 14161QJh94 | KD | 0B64000 | 1B1000 | , g/L | 1C8 | 3C8O | C0 | 40 h1J0 | |
| Jj4j3hT | NS | 14161QJh94 | KD | 0B43000 | 0B60000 | , g/L | | . 3B0 | | 60 h1C0 | |
| | NSD | 14161QJh94 | KD | 0B44000 | 0B60000 | , g/L | JB1 | . C8O | C0 | 60 h1C0 | |
| Jj4j3hTWFSilvexX | NS | 14161QJh94 | KD | 0B3C000 | 0B60000 | , g/L | | 22B0 | | 30 h1C0 | |
| | NSD | 14161QJh94 | KD | 0B49000 | 0B60000 | , g/L | . B2 | 21B | C0 | 30 h1C0 | |
| Jj4hDiczloropzenylacetic aci7 FS, rrogate | NS | 14161QJh94 | KD | JB4000 | 4B0000 | , g/L | | 60B0 | | C0 h140 | |
| | NSD | 14161QJh94 | KD | JB1600 | 4B0000 | , g/L | 10B3 | 34B0 | | C0 h140 | |

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# Base 5 eutral an) OM) dWraMtables ( rPaniMOnalgsis hdy O 2 et. o) 80A6CH

## V ualitg Control Report N2 et. o) BlanJ Onalgsis

| Constituent | VC Sample I3 | 2 B Result | Enits | yVj | 2 3j | j ab V uals |
|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D0- Q6** | | | | | | |
| 8 cenapztzene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E14 | |
| 8 cenapztzylene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E12 | |
| 8 I7rin | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E03 | |
| 8 niline | uwHJ3C0huL( 1 | KD | , g/L | 3E0 | 0E69 | |
| 8 ntzracene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E00 | |
| uen; i7ine | uwHJ3C0huL( 1 | KD | , g/L | J0 | . E1 | |
| uen; o[a]antzracene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E02 | |
| uen; o[b]fl, orantzene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E41 | |
| uen; o[l ]fl, orantzene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E01 | |
| uen; o[a]pyrene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E10 | |
| uen; o[gjzji]perylene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0EJJ | |
| uen; oic aci7 | uwHJ3C0huL( 1 | KD | , g/L | 10 | 3E2 | |
| uen; yl alcozol | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E04 | |
| uen; yl b, tyl pztzalate | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E4. | |
| alpzahu HP | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E1. | |
| betahu HP | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E1. | |
| 7eltahu HP | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E00 | |
| gammahu HP FLin7aneX | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0EJJ | |
| bisFJHPzloroetzoxyXmetzane | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E1. | |
| bisFJHPzloroetzylXetzer | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E62 | |
| bisFJHPzloroisopropylXetzer | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E00 | |
| bisFJHEtzylzexylXpztzalate | uwHJ3C0huL( 1 | KD | , g/L | 3E0 | CE0 | |
| 4hu romopzenyl pzenyl etzer | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0EJO | |
| 4HPzloroaniline | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E69 | |
| JHPzloronapztzalene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E04 | |
| 4HPzloropzenyl pzenyl etzer | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0EJO | |
| Pzrysene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E6O | |
| 4j4'HDDD | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E42 | |
| 4j4'HDDE | uwHJ3C0huL( 1 | KD | , g/L | CE0 | 0E41 | |
| 4j4'HDDT | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E4O | |
| Diben; o[ajz]antzracene | uwHJ3C0huL( 1 | KD | , g/L | CE0 | 0EJ6 | |
| Diben; of, ran | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0EJ1 | |
| 1jJHDiczloroben; ene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E0. | |
| 1jCHDiczloroben; ene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E03 | |

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## V ualitg Control Report N2 et. o) BlanJ Onalgsis

| Constituent | VC Sample I3 | 2 B Result | Enits | yVj | 2 3j | j ab V uals |
|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D0- Q6** | | | | | | |
| 1j4hDiczloroben; ene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E01 | |
| CjChDiczloroben; i7ine | uwHJ3C0huL( 1 | KD | , g/L | 10 | 2E3 | |
| Diel7rin | uwHJ3C0huL( 1 | KD | , g/L | CE0 | 0E41 | |
| Dietzyl pztzalate | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E00 | |
| Dimetzyl pztzalate | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E09 | |
| Dihmhb, tyl pztzalate | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E09 | |
| Jj4hDinitrotol, ene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E36 | |
| Jj6hDinitrotol, ene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E41 | |
| Dihmhoctyl pztzalate | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E46 | |
| 1jJhDipzenylzy7ra; ine | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E04 | |
| En7os, lfan M | uwHJ3C0huL( 1 | KD | , g/L | 10 | 1B | |
| En7os, lfan NM | uwHJ3C0huL( 1 | KD | , g/L | 10 | 1E3 | |
| En7os, lfan s, lfate | uwHJ3C0huL( 1 | KD | , g/L | CE0 | 0E32 | |
| En7rin | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 1E1 | |
| En7rin al7ezy7e | uwHJ3C0huL( 1 | KD | , g/L | 10 | 0E3J | |
| dl, orantzene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E30 | |
| dl, orene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E32 | |
| Heptaczlor | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E0J | |
| Heptaczlor epoxi7e | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E3. | |
| Hexaczloroben; ene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E30 | |
| Hexaczlorob, ta7iene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E34 | |
| Hexaczlorocyclopenta7iene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E00 | |
| Hexaczloroetzane | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E0J | |
| Im7eno[1jJjChc7]pyrene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E36 | |
| Isopzorone | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E01 | |
| JhNetzylnapztzalene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E32 | |
| Kapztzalene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E31 | |
| JhKapztzylamine | uwHJ3C0huL( 1 | KD | , g/L | J0 | 4E2 | |
| JhKitroaniline | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E00 | |
| ChKitroaniline | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E56 | |
| 4hKitroaniline | uwHJ3C0huL( 1 | KD | , g/L | 3E0 | 0E2. | |
| Kitroben; ene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E36 | |
| KhKitroso7imetzylamine | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E51 | |
| KhKitroso7ihKhpropylamine | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 1E0 | |

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## V ualitg Control Report N2 et. o) BlanJ Onalgsis

| Constituent | VC Sample I3 | 2 B Result | Enits | yVj | 2 3j | j ab V uals |
|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D0-Q6** | | | | | | |
| KHKitroso7ipzenylamine | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E4 | |
| Wzenantzrene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E0 | |
| Wyrene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E6 | |
| 1jJj4hTriczloroben; ene | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E. | |
| 4hPzlorohCmetzylpzenol | uwHJ3C0huL( 1 | KD | , g/L | 3E0 | 0E40 | |
| JhPzloropzenol | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E0 | |
| Jj4hDiczloropzenol | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E4O | |
| Jj4hDimetzylpzenol | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E0 | |
| 4j6hDinitrohJhmetzylpzenol | uwHJ3C0huL( 1 | KD | , g/L | 10 | 0E04 | |
| Jj4hDinitropzenol | uwHJ3C0huL( 1 | KD | , g/L | 10 | 0E0 | |
| JhNetzylpzenol | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 1E0 | |
| Ch& 4hNetzylpzenol | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 1E6 | |
| JhKitropzenol | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E2 | |
| 4hKitropzenol | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0B O | |
| Wentaczloropzenol | uwHJ3C0huL( 1 | KD | , g/L | 10 | 0B 9 | |
| Wzenol | uwHJ3C0huL( 1 | KD | , g/L | JE0 | 0E0 | |
| Jj4j3hTriczloropzenol | uwHJ3C0huL( 1 | KD | , g/L | 3E0 | 0E01 | |
| Jj4j6hTriczloropzenol | uwHJ3C0huL( 1 | KD | , g/L | 3E0 | 0E60 | |
| **0N luorop. enol hSurroPateH** | **B, D0-Q6NBj K1** | **-7'1** | % | | **Q6 N106 hj Cj NECj H** | |
| **y. enolN) - hSurroPateH** | **B, D0-Q6NBj K1** | **40'7** | % | | **10 N116 hj Cj NECj H** | |
| **5itrobenzeneN) - hSurroPateH** | **B, D0-Q6NBj K1** | **70'9** | % | | **96 N1Q6 hj Cj NECj H** | |
| **0N luorobip. engl hSurroPateH** | **B, D0-Q6NBj K1** | **80'1** | % | | **-- N10- hj Cj NECj H** | |
| **0X4X0NTribromop. enol hSurroPateH** | **B, D0-Q6NBj K1** | **164** | % | | **46 N1-6 hj Cj NECj H** | |
| **pNTerp. englN) 14 hSurroPateH** | **B, D0-Q6NBj K1** | **81'4** | % | | **46 N1-6 hj Cj NECj H** | |

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## Vualitg Control Report Nj aboratorg Control Sample

| Constituent | VC Sample I3 | Tgpe | Result | SpiJe j eUel | Enits | yerMent ReMbUerg | Ry3 | Control j imits yerMent ReMbUerg | Ry3 | j ab Vuals |
|---|---|---|---|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D0-Q6** | | | | | | | | | | |
| 8cenapztzene | uwHJ3C0huS1 | LPS | 43E4C0 | 30E0000 | , g/L | 90E9 | | 30 h1J0 | | |
| 1j4hDiczloroben; ene | uwHJ3C0huS1 | LPS | C2E120 | 30E0000 | , g/L | . 6E6 | | 30 h1J0 | | |
| Jj4hDinitrotol, ene | uwHJ3C0huS1 | LPS | 42E440 | 30E0000 | , g/L | 96E9 | | 30 h1J0 | | |
| Hexaczloroben; ene | uwHJ3C0huS1 | LPS | C9E6C0 | 30E0000 | , g/L | . 9EO | | 60 h1J0 | | |
| Hexaczlorob, ta7iene | uwHJ3C0huS1 | LPS | J6E3. 0 | 30E0000 | , g/L | 3CE1 | | 40 h110 | | |
| Hexaczloroetzane | uwHJ3C0huS1 | LPS | C3E2. 0 | 30E0000 | , g/L | . 1E | | 40 h1J0 | | |
| Kitroben; ene | uwHJ3C0huS1 | LPS | C2E J0 | 30E0000 | , g/L | . . E4 | | 30 h1J0 | | |
| KhKitroso7ihKhpropylamine | uwHJ3C0huS1 | LPS | 41E 20 | 30E0000 | , g/L | 2CE6 | | 30 h1J0 | | |
| Wyrene | uwHJ3C0huS1 | LPS | 33EC00 | 30E0000 | , g/L | 111 | | 40 h140 | | |
| 1jJj4hTriczloroben; ene | uwHJ3C0huS1 | LPS | C4EJ0 | 30E0000 | , g/L | 62E4 | | 43 h1J0 | | |
| 4hPzlorohCmetzylpzenol | uwHJ3C0huS1 | LPS | 49EC40 | 30E0000 | , g/L | 92E | | 30 h1J0 | | |
| JhPzloropzenol | uwHJ3C0huS1 | LPS | 4CE030 | 30E0000 | , g/L | 26E1 | | 30 h1J0 | | |
| JhNetzylpzenol | uwHJ3C0huS1 | LPS | 41E4J0 | 30E0000 | , g/L | 2JE2 | | 40 h110 | | |
| Ch& 4hNetzylpzenol | uwHJ3C0huS1 | LPS | . 4E010 | 100E00 | , g/L | . 4E0 | | 40 h110 | | |
| 4hKitropzenol | uwHJ3C0huS1 | LPS | J1E2J0 | 30E0000 | , g/L | 4CE6 | | 10 h110 | | |
| Wentaczloropzenol | uwHJ3C0huS1 | LPS | 44E140 | 30E0000 | , g/L | 22EO | | C0 h1J0 | | |
| Wzenol | uwHJ3C0huS1 | LPS | 19E. 0 | 30E0000 | , g/L | C9E3 | | J0 h110 | | |
| Jj4j6hTriczloropzenol | uwHJ3C0huS1 | LPS | 30E930 | 30E0000 | , g/L | 10J | | 34 h1J0 | | |
| JhdI, oropzenol FS, rrogateX | uwHJ3C0huS1 | LPS | 43E1J0 | 20E0000 | , g/L | 36E4 | | C0 h1J0 | | |
| Wzenolh73 FS, rrogateX | uwHJ3C0huS1 | LPS | C0E1J0 | 20E0000 | , g/L | C. E6 | | 1J h110 | | |
| Kitroben; enehh73 FS, rrogateX | uwHJ3C0huS1 | LPS | 6. E2J0 | 20E0000 | , g/L | 24E2 | | 60 h1C0 | | |
| JhdI, orobipzenyl FS, rrogateX | uwHJ3C0huS1 | LPS | 66E100 | 20E0000 | , g/L | 2JE2 | | 33 h1J3 | | |
| Jj4j6hTribromopzenol FS, rrogateX | uwHJ3C0huS1 | LPS | 24E120 | 20E0000 | , g/L | 103 | | 40 h130 | | |
| phTerpzenylh714 FS, rrogateX | uwHJ3C0huS1 | LPS | CCE900 | 40E0000 | , g/L | 24E2 | | 40 h130 | | |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect N anager: Gason Sapp

# Base 5 eutral an) OM) dWraMtables ( rPaniMOnalgsis hdy O 2 et. o) 80A6CH

## V ualitg Control Report Nyre Msion & OMMuraMg

| Constituent | Tgpe | SourMe Sample I3 | SourMe Result | Result | SpiJe O) ) e) | Enits | Ry 3 | yerMent ReMobUerg | Control j imits Ry 3 | yerMent ReMobUerg | j ab V uals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **V C BatM I3 L B, D0- Q6** | ) se7 client sample: K | | | | | | | | | | |
| 8 cenapztzene | NS | 14161QJh6O | KD | 4CB039 | 30B000 | , g/L | | 26B | | 30 h1J0 | |
| | NSD | 14161QJh6O | KD | 44B020 | 30B000 | , g/L | 1B6 | 22BJ | C0 | 30 h1J0 | |
| 1j4hDiczloroben; ene | NS | 14161QJh6O | KD | C3B3. 0 | 30B000 | , g/L | | . 1B1 | | 4. h1J0 | |
| | NSD | 14161QJh6O | KD | C3B630 | 30B000 | , g/L | 0BJ | . 1B6O | C0 | 4. h1J0 | |
| Jj4hDinitrotol, ene | NS | 14161QJh6O | KD | 42B646 | 30B000 | , g/L | | 9. B6O | | 30 h1C0 | |
| | NSD | 14161QJh6O | KD | 43B410 | 30B000 | , g/L | 6B9 | 90B2 | C0 | 30 h1C0 | |
| Hexaczloroben; ene | NS | 14161QJh6O | KD | C2B62O | 30B000 | , g/L | | . 6B2 | | 6J h1J0 | |
| | NSD | 14161QJh6O | KD | C9B190 | 30B000 | , g/L | JB1 | . 2B4 | C0 | 6J h1J0 | |
| Hexaczlorob, ta7iene | NS | 14161QJh6O | KD | J4BJ69 | 30B000 | , g/L | | 42B3 | | 40 h110 | |
| | NSD | 14161QJh6O | KD | J4B6C0 | 30B000 | , g/L | 1B3 | 49B6O | C0 | 40 h110 | |
| Hexaczloroetzane | NS | 14161QJh6O | KD | C1B 9. | 30B000 | , g/L | | 6CB6 | | 40 h1J0 | |
| | NSD | 14161QJh6O | KD | C1B490 | 30B000 | , g/L | 1B0 | 6CB0 | C0 | 40 h1J0 | |
| Kitroben; ene | NS | 14161QJh6O | KD | C6B J4 | 30B000 | , g/L | | . CB4 | | 30 h1J0 | |
| | NSD | 14161QJh6O | KD | C. B640 | 30B000 | , g/L | JB3 | . 3B6O | C0 | 30 h1J0 | |
| **5 N6 itroso) iN6 Npropglamine** | NS | **14191CDN0Q** | **5 3** | **40'0- Q** | **- 6'666** | **uP/j** | | **84'-** | | **- 6 N106** | |
| | NSD | **14191CDN0Q** | **5 3** | **16'876** | **- 6'666** | **uP/j** | **118** | **01'8** | **Q6** | **- 6 N106** | **V 60XV 6Q** |
| Wyrene | NS | 14161QJh6O | KD | 31B400 | 30B000 | , g/L | | 10O | | 40 h140 | |
| | NSD | 14161QJh6O | KD | 34B030 | 30B000 | , g/L | 3B0 | 102 | C0 | 40 h140 | |
| 1jJj4hTriczloroben; ene | NS | 14161QJh6O | KD | C1B6C1 | 30B000 | , g/L | | 6JB | | 4Oh1J0 | |
| | NSD | 14161QJh6O | KD | CJB100 | 30B000 | , g/L | JB4 | 64BJ | C0 | 4Oh1J0 | |
| 4hPzlorohCmetzylpzenol | NS | 14161QJh6O | KD | 30B66O | 30B000 | , g/L | | 101 | | 30 h1J0 | |
| | NSD | 14161QJh6O | KD | 42B490 | 30B000 | , g/L | 4B4 | 9. B0 | C0 | 30 h1J0 | |
| JhPzloropzenol | NS | 14161QJh6O | KD | 4CB29J | 30B000 | , g/L | | 2. B2 | | 30 h1J0 | |
| | NSD | 14161QJh6O | KD | 41B020 | 30B000 | , g/L | 6B6 | 2JBJ | C0 | 30 h1J0 | |
| JhNetzylpzenol | NS | 14161QJh6O | KD | 4CB124 | 30B000 | , g/L | | 26B4 | | 40 h110 | |
| | NSD | 14161QJh6O | KD | 41B220 | 30B000 | , g/L | CB1 | 2CB2 | C0 | 40 h110 | |
| Ch& 4hNetzylpzenol | NS | 14161QJh6O | KD | . 2B12J | 100B00 | , g/L | | . 2BJ | | 40 h110 | |
| | NSD | 14161QJh6O | KD | . 3B130 | 100B00 | , g/L | 4B0 | . 3BJ | C0 | 40 h110 | |
| 4hKitropzenol | NS | 14161QJh6O | KD | JCB2JO | 30B000 | , g/L | | 4. B6 | | 10 h110 | |
| | NSD | 14161QJh6O | KD | J1B1J0 | 30B000 | , g/L | 1JB0 | 4JBJ | C0 | 10 h110 | |
| Wentaczloropzenol | NS | 14161QJh6O | KD | 44B601 | 30B000 | , g/L | | 29BJ | | C0 h1J0 | |
| | NSD | 14161QJh6O | KD | 4CB4J0 | 30B000 | , g/L | JB | 26B2 | C0 | C0 h1J0 | |
| Wzenol | NS | 14161QJh6O | KD | J0B904 | 30B000 | , g/L | | 41B2 | | J0 h110 | |
| | NSD | 14161QJh6O | KD | 19B900 | 30B000 | , g/L | 4B9 | C9B2 | C0 | J0 h110 | |
| Jj4j6hTriczloropzenol | NS | 14161QJh6O | KD | 49BJ66 | 30B000 | , g/L | | 92B3 | | 30 h1J0 | |
| | NSD | 14161QJh6O | KD | 42B440 | 30B000 | , g/L | 1B | 96B9 | C0 | 30 h1J0 | |

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# Base 5eutral an) OM) dWraMtables ( rPaniMOnalgsis hdyO 2et. o) 80A6CH

## Vualitg Control Report NyreMsion & OMMuraMg

| Constituent | Tgpe | SourMe Sample I3 | SourMe Result | Result | SpiJe O) ) e) | Enits | Ry3 | yerMent ReMoUerg | Control j imits Ry3 | yerMent ReMoUerg | j ab Vuals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D0-Q6** | ) se7 client sample: K | | | | | | | | | | |
| JhdI, oropzenol FS, rrogateX | NS | 14161QJh6O | KD | 4CE234 | 20E000 | , g/L | | 34E2 | | C0 h1J0 | |
| | NSD | 14161QJh6O | KD | 40E020 | 20E000 | , g/L | 2E | 30E3 | | C0 h1J0 | |
| Wzenolh73 FS, rrogateX | NS | 14161QJh6O | KD | O1E264 | 20E000 | , g/L | | C9E2 | | 1J h110 | |
| | NSD | 14161QJh6O | KD | J9E630 | 20E000 | , g/L | . E | O. E | | 1J h110 | |
| Kitroben; eneh73 FS, rrogateX | NS | 14161QJh6O | KD | 69E94. | 20E000 | , g/L | | 2. E4 | | 60 h1C0 | |
| | NSD | 14161QJh6O | KD | 6. E4C0 | 20E000 | , g/L | CE | 24E0 | | 60 h1C0 | |
| JhdI, orobipzenyl FS, rrogateX | NS | 14161QJh6O | KD | 33E02. | 20E000 | , g/L | | 69E | | 33 h1J3 | |
| | NSD | 14161QJh6O | KD | 6JE610 | 20E000 | , g/L | 1JE | . 2E0 | | 33 h1J3 | |
| Jj4j6hTribromopzenol FS, rrogateX | NS | 14161QJh6O | KD | . 9E626 | 20E000 | , g/L | | 99E6 | | 40 h130 | |
| | NSD | 14161QJh6O | KD | 2CE160 | 20E000 | , g/L | 4E0 | 104 | | 40 h130 | |
| phTerpzenylh714 FS, rrogateX | NS | 14161QJh6O | KD | O1E4C2 | 40E000 | , g/L | | . 2E6 | | 40 h130 | |
| | NSD | 14161QJh6O | KD | QJE610 | 40E000 | , g/L | CE | 21E3 | | 40 h130 | |

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Wrolect K, mber: J01Cr0100
Wrolect Nanager: Gason Sapp

# 5 3 2 O hdy O 2 et. o) 80A6CNSI2 H

## Vualitg Control Report N2 et. o) BlanJ Onalgsis

| Constituent | VC Sample I3 | 2 B Result | Enits | yVj | 2 3j | j ab Vuals |
|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D0-40** | | | | | | |
| KHKitroso7imetzylamine | uwHJ34JhuL( 1 | KD | , g/L | 0E010 | 0E00C0 | |
| **5ap. t. alenen) 8 HSurroPateH** | **B, D0-40NBj K1** | **80'7** | % | **9- N140 Hj Cj NECj H** | | |

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Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# 5 3 2 O hdy O 2 et. o) 80A6CNSI2 H

## Vualitg Control Report Nj aboratorg Control Sample

| Constituent | VC Sample I3 | Tgpe | Result | SpiJe j eUel | Enits | yerMent ReMbUerg | Ry3 | Control j imits yerMent ReMbUerg | Ry3 | j ab Vuals |
|---|---|---|---|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D0-40** | | | | | | | | | | |
| KHKitroso7imetzylamine | uwHJ34JhuS1 | LPS | 0E62O10 | 0E40000 | , g/L | 1. 1 | | 6. h119 | | L01 |
| Kapztzaleneh72 FS, rrogateX | uwHJ34JhuS1 | LPS | 0E6CO60 | 0E20000 | , g/L | . 9E | | 63 h14J | | |

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# 5 3 2 O hdy O 2 et. o) 80A6CNSI2 H

## Vualitg Control Report NyreMsion & OMMuraMg

| Constituent | Tgpe | SourMe Sample I3 | SourMe Result | Result | SpiJe O) ) e) | Enits | Ry3 | yerMent ReMoUerg | Control j imits Ry3 | yerMent ReMoUerg | j ab Vuals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D0-40** | ) se7 client sample: K | | | | | | | | | | |
| **5 N6 itroso) imet. glamine** | NS | **14191C0NA7** | **5 3** | **6'94986** | **6'46666** | **uP/j** | | **190** | | **-9 N118** | **V6Q** |
| | NSD | **14191C0NA7** | **5 3** | **6'A6-96** | **6'46666** | **uP/j** | **8'A** | **1A9** | **00** | **-9 N118** | **V6Q** |
| Kapztzalenehr72 FS, rrogateX | NS | 14161CJh 9 | KD | 0B63660 | 0B20000 | , g/L | | 2JB1 | | 63 h14J | |
| | NSD | 14161CJh 9 | KD | 0B23J60 | 0B20000 | , g/L | J6B0 | 10. | | 63 h14J | |

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Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

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## Vualitg Control Report N2 et. o) BlanJ Onalgsis

| Constituent | VC Sample I3 | 2 B Result | Enits | yVj | 2 3j | j ab Vuals |
|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D1044** | | | | | | |
| Pzlori7e | uwH1J44huL( 1 | KD | mg/L | 0B30 | 0B06. | |
| Kitrate as K | uwH1J44huL( 1 | KD | mg/L | 0B10 | 0B0J3 | |
| S, lfate | uwH1J44huL( 1 | KD | mg/L | 1B0 | 0B12 | |
| **VC BatM I3 L B, D1087** | | | | | | |
| Nu8S | uwH1J29huL( 1 | KD | mg/L | 0B10 | 0B013 | |
| **VC BatM I3 L B, D1Q1-** | | | | | | |
| Dissolve7 Palci, m | uwH1O13huL( 1 | KD | mg/L | 0B10 | 0B016 | |
| Dissolve7 Nagnesi, m | uwH1O13huL( 1 | KD | mg/L | 0B030 | 0B019 | |
| **3 issolUe) So) ium** | **B, D1Q1-NBj K1** | **6'674-70** | **mP/j** | **6'-6** | **6'6-1** | **@** |
| **3 issolUe) yotassium** | **B, D1Q1-NBj K1** | **6'16-16** | **mP/j** | **1'6** | **6'16** | **@** |
| **VC BatM I3 L B, D1QA4** | | | | | | |
| Dissolve7 Har7ness as PaPq O | uwH1Q 4huL( 1 | KD | mg/L | 0B30 | 0B10 | |
| **VC BatM I3 L B, D1-A-** | | | | | | |
| Total Dissolve7 Soli7s @ 120 P | uwH13. 3huL( 1 | KD | mg/L | 6B | 6B | |
| **VC BatM I3 L B, D1-8Q** | | | | | | |
| Hy7roxi7e | uwH132OhuL( 1 | KD | mg/L | 1B4 | 1B4 | |
| Total 8II alinity as PaPq O | uwH132OhuL( 1 | KD | mg/L | 4B1 | 4B1 | |
| **VC BatM I3 L B, I6660** | | | | | | |
| Werczlorate | uwM00JhuL( 1 | KD | , g/L | 4B0 | 0B43 | |
| **VC BatM I3 L B, I666-** | | | | | | |
| Werczlorate | uwM003huL( 1 | KD | , g/L | 4B0 | 0B43 | |
| **VC BatM I3 L B, I61Q7** | | | | | | |
| Werczlorate | uwM01O9huL( 1 | KD | , g/L | 4B0 | 0B43 | |

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Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# G ater Onalgsis HF eneral C. emistrgH

## Vualitg Control Report Nj aboratorg Control Sample

| Constituent | VC Sample I3 | Tgpe | Result | SpiJe j eUel | Enits | yerMent ReMbUerg | Ry3 | Control j imits yerMent ReMbUerg | Ry3 | j ab Vuals |
|---|---|---|---|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D1044** | | | | | | | | | | |
| Pzlori7e | uwH1J44huS1 | LPS | 42E006 | 30E000 | mg/L | 96E6 | | 90 h110 | | |
| Kitrate as K | uwH1J44huS1 | LPS | 4E9110 | 3E0000 | mg/L | 92E | | 90 h110 | | |
| S, lfate | uwH1J44huS1 | LPS | 96E364 | 100E00 | mg/L | 96E6 | | 90 h110 | | |
| **VC BatM I3 L B, D1087** | | | | | | | | | | |
| Nu8S | uwH1J29huS1 | LPS | 0E191. 0 | 0E10000 | mg/L | 93E2 | | 23 h113 | | |
| **VC BatM I3 L B, D1Q1-** | | | | | | | | | | |
| Dissolve7 Palci, m | uwH1O13huS1 | LPS | 10E3C3 | 10E000 | mg/L | 103 | | 23 h113 | | |
| Dissolve7 Nagnesi, m | uwH1O13huS1 | LPS | 10E16J | 10E000 | mg/L | 10J | | 23 h113 | | |
| Dissolve7 So7i, m | uwH1O13huS1 | LPS | 10E660 | 10E000 | mg/L | 10. | | 23 h113 | | |
| Dissolve7 Wotassi, m | uwH1O13huS1 | LPS | 10E1O1 | 10E000 | mg/L | 101 | | 23 h113 | | |
| **VC BatM I3 L B, D1-A-** | | | | | | | | | | |
| Total Dissolve7 Soli7s @ 120 P | uwH13. 3huS1 | LPS | 330E00 | 326E00 | mg/L | 9OE9 | | 90 h110 | | |
| **VC BatM I3 L B, D1-8Q** | | | | | | | | | | |
| Total 8Il alinity as PaPq O | uwH132ChuSO | LPS | 10OE91 | 100E00 | mg/L | 104 | | 90 h110 | | |
| **VC BatM I3 L B, I6660** | | | | | | | | | | |
| Werczlorate | uwW000JhuS1 | LPS | 10E6. 4 | 10E000 | , g/L | 10. | | 23 h113 | | |
| **VC BatM I3 L B, I666-** | | | | | | | | | | |
| Werczlorate | uwW0003huS1 | LPS | 10B 11 | 10E000 | , g/L | 10. | | 23 h113 | | |
| **VC BatM I3 L B, I61Q7** | | | | | | | | | | |
| Werczlorate | uwW01O9huS1 | LPS | 10E231 | 10E000 | , g/L | 109 | | 23 h113 | | |

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| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) L** 09/02/J014 10:02<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Ch0100<br>Wrolect Nanager: Gason Sapp |

# G ater Onalgsis IF eneral C. emistrgH

## Vualitg Control Report NyreMsion & OMMuraMg

| Constituent | Tgpe | SourMe Sample I3 | SourMe Result | Result | SpiJe O) ) e) | Enits | Ry3 | yerMent ReMobUerg | Control j imits Ry3 | yerMent ReMobUerg | j ab Vuals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **VC BatM I3L B, D1044** | ) se7 client sample: Y hDescription: NNDj 02/1J/J014 11:J3 | | | | | | | | | | |
| Pzlori7e | D) W | 41263Jh01RE´ | 6B04C0 | 6B14C0 | | mg/L | CB | | 10 | | |
| | NS | 41263Jh01RE´ | 6B04C0 | 39B1C0 | 30B303 | mg/L | | 103 | | 20 h1J0 | |
| | NSD | 41263Jh01RE´ | 6B04C0 | 32B9J3 | 30B303 | mg/L | 0BC | 104 | 10 | 20 h1J0 | |
| Kitrate as K | D) W | 41263Jh01RE´ | . B0960 | . B03C0 | | mg/L | 0B6 | | 10 | | |
| | NS | 41263Jh01RE´ | . B0960 | 1JB649 | 3B0303 | mg/L | | 110 | | 20 h1J0 | |
| | NSD | 41263Jh01RE´ | . B0960 | 1JB604 | 3B0303 | mg/L | 0B4 | 109 | 10 | 20 h1J0 | |
| S, lfate | D) W | 41263Jh01RE´ | 1JB31O | 1JB6JJ | | mg/L | 0B9 | | 10 | | |
| | NS | 41263Jh01RE´ | 1JB31O | 119B66 | 101B01 | mg/L | | 106 | | 20 h1J0 | |
| | NSD | 41263Jh01RE´ | 1JB31O | 112B39 | 101B01 | mg/L | 0B9 | 103 | 10 | 20 h1J0 | |
| **VC BatM I3L B, D1087** | ) se7 client sample: K | | | | | | | | | | |
| Nu8S | D) W | 141232Ch01 | KD | KD | | mg/L | | | J0 | | |
| | NS | 141232Ch01 | KD | 0BC09620 | 0B40000 | mg/L | | 99BJ | | 20 h1J0 | |
| | NSD | 141232Ch01 | KD | 0BC09J40 | 0B40000 | mg/L | 1B1 | 92B1 | J0 | 20 h1J0 | |
| **VC BatM I3L B, D1Q1-** | ) se7 client sample: Y hDescription: NNDj 02/1J/J014 11:J3 | | | | | | | | | | |
| Dissolve7 Palci, m | D) W | 141263Jh01 | 39B6C6 | 39B4J6 | | mg/L | 0B4 | | J0 | | |
| | NS | 141263Jh01 | 39B6C6 | . 0B02 | 10BJ04 | mg/L | | 109 | | . 3 h1J3 | |
| | NSD | 141263Jh01 | 39B6C6 | . 0BJ49 | 10BJ04 | mg/L | 0B | 104 | J0 | . 3 h1J3 | |
| Dissolve7 Nagnesi, m | D) W | 141263Jh01 | 2B0692 | 2BJ226 | | mg/L | JB | | J0 | | |
| | NS | 141263Jh01 | 2B0692 | 19BC6O | 10BJ04 | mg/L | | 111 | | . 3 h1J3 | |
| | NSD | 141263Jh01 | 2B0692 | 19B0. J | 10BJ04 | mg/L | 1B3 | 102 | J0 | . 3 h1J3 | |
| Dissolve7 So7i, m | D) W | 141263Jh01 | 1JB4. 0 | 1JB44J | | mg/L | 0BJ | | J0 | | |
| | NS | 141263Jh01 | 1JB4. 0 | JCB431 | 10BJ04 | mg/L | | 102 | | . 3 h1J3 | |
| | NSD | 141263Jh01 | 1JB4. 0 | JCB3J2 | 10BJ04 | mg/L | 0BC | 102 | J0 | . 3 h1J3 | |
| Dissolve7 Wotassi, m | D) W | 141263Jh01 | JB223J | JB9. . O | | mg/L | CB1 | | J0 | | |
| | NS | 141263Jh01 | JB223J | 1CB63J | 10BJ04 | mg/L | | 106 | | . 3 h1J3 | |
| | NSD | 141263Jh01 | JB223J | 1CB229 | 10BJ04 | mg/L | 1B | 102 | J0 | . 3 h1J3 | |
| **VC BatM I3L B, D1-A-** | ) se7 client sample: K | | | | | | | | | | |
| Total Dissolve7 Soli7s @ 120 P | D) W | 14123Q h01 | 910B00 | 290B00 | | mg/L | JBJ | | 10 | | |
| **VC BatM I3L B, D1-8Q** | ) se7 client sample: K | | | | | | | | | | |
| Hy7roxi7e | D) W | 1412631h01 | KD | KD | | mg/L | | | 10 | | |
| Total 8Il alinity as PaPq O | D) W | 1412631h01 | 1. 6B6O | 1. . BJO | | mg/L | 0BC | | 10 | | |
| **VC BatM I3L B, I6660** | ) se7 client sample: K | | | | | | | | | | |
| Werczlorate | D) W | 14126Q h0. | 1B0021 | 1B1369 | | , g/L | 1CB | | 13 | | G |
| | NS | 14126Q h0. | 1B0021 | 11BJ22 | 10B101 | , g/L | | 10J | | 20 h1J0 | |
| | NSD | 14126Q h0. | 1B0021 | 11B420 | 10B101 | , g/L | 1B | 104 | 13 | 20 h1J0 | |
| **VC BatM I3L B, I666-** | ) se7 client sample: Y hDescription: KCh4j 02/1J/J014 13:03 | | | | | | | | | | |

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J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# G ater Onalgsis IF eneral C. emistrgH

## Vualitg Control Report NyreMsion & OMMuraMg

| Constituent | Tgpe | SourMe Sample I3 | SourMe Result | Result | SpiJe O) ) e) | Enits | Ry3 | yerMent ReMoUerg | Control j imits Ry3 | yerMent ReMoUerg | j ab Vuals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **VC BatM I3 L B, I666-** | ) se7 client sample: Y hDescription: KCh4j 02/1J/J014 13:03 | | | | | | | | | | |
| Werczlorate | D) W | 141263Jh03 | 3B16C0 | 4B91. 2 | | , g/L | 4B9 | | 13 | | |
| | NS | 141263Jh03 | 3B16C0 | 13B636 | 10B101 | , g/L | | 104 | | 20 h1J0 | |
| | NSD | 141263Jh03 | 3B16C0 | 16B04. | 10B101 | , g/L | JB3 | 102 | 13 | 20 h1J0 | |
| **VC BatM I3 L B, I61Q7** | ) se7 client sample: K | | | | | | | | | | |
| Werczlorate | D) W | 14J0CC3h01 | KD | KD | | , g/L | | | 13 | | |
| | NS | 14J0CC3h01 | KD | 9B2J03 | 10B101 | , g/L | | 9. B1 | | 20 h1J0 | |
| | NSD | 14J0CC3h01 | KD | 2B2100 | 10B101 | , g/L | 10B2 | 2. B1 | 13 | 20 h1J0 | |

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Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# 2 etals Onalgsis

## Vualitg Control Report N2 et. o) BlanJ Onalgsis

| Constituent | VC Sample I3 | 2 B Result | Enits | yVj | 2 3j | j ab Vuals |
|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D1Q1-** | | | | | | |
| Dissolve7 8ntimony | uwH1O13huL( 1 | KD | , g/L | 100 | 4B9 | |
| **3issolUe) OrseniM** | **B, D1Q1-NBj K1** | **16'707** | **uP/j** | **-6** | **7'0** | **@** |
| Dissolve7 uari, m | uwH1O13huL( 1 | KD | , g/L | 10 | OB3 | |
| Dissolve7 uerylli, m | uwH1O13huL( 1 | KD | , g/L | 10 | 0B30 | |
| Dissolve7 Pa7mi, m | uwH1O13huL( 1 | KD | , g/L | 10 | 1B1 | |
| Dissolve7 Pzromi, m | uwH1O13huL( 1 | KD | , g/L | 10 | 1B0 | |
| Dissolve7 Pobalt | uwH1O13huL( 1 | KD | , g/L | 30 | 1B1 | |
| Dissolve7 Popper | uwH1O13huL( 1 | KD | , g/L | 10 | 1B0 | |
| Dissolve7 Lea7 | uwH1O13huL( 1 | KD | , g/L | 30 | OB3 | |
| Dissolve7 Nolyb7en, m | uwH1O13huL( 1 | KD | , g/L | 30 | 1B4 | |
| Dissolve7 Kicl el | uwH1O13huL( 1 | KD | , g/L | 10 | JB4 | |
| Dissolve7 Seleni, m | uwH1O13huL( 1 | KD | , g/L | 100 | 13 | |
| Dissolve7 Silver | uwH1O13huL( 1 | KD | , g/L | 10 | 1B1 | |
| Dissolve7 Tzalli, m | uwH1O13huL( 1 | KD | , g/L | 100 | 10 | |
| Dissolve7 Uana7i, m | uwH1O13huL( 1 | KD | , g/L | 10 | JB1 | |
| Dissolve7 Zinc | uwH1O13huL( 1 | KD | , g/L | 10 | 3B0 | |
| **VC BatM I3 L B, D1QQ1** | | | | | | |
| Dissolve7 Nerc, ry | uwH1OO1huL( 1 | KD | , g/L | 0B10 | 0B0OO | |
| **VC BatM I3 L B, D1Q46** | | | | | | |
| Dissolve7 Nerc, ry | uwH1O40huL( 1 | KD | , g/L | 0B10 | 0B0OO | |

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Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# 2 etals Onalgsis

## Vualitg Control Report Nj aboratorg Control Sample

| Constituent | VC Sample I3 | Tgpe | Result | SpiJe j eUel | Enits | yerMent ReMbUerg | Ry3 | Control j imits yerMent ReMbUerg | Ry3 | j ab Vuals |
|---|---|---|---|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D1Q1-** | | | | | | | | | | |
| Dissolve7 8ntimony | uwH1O13huS1 | LPS | 414B0 | 400E0 | , g/L | 104 | | 23 h113 | | |
| Dissolve7 8rsenic | uwH1O13huS1 | LPS | J11B9 | J00E0 | , g/L | 106 | | 23 h113 | | |
| Dissolve7 uari, m | uwH1O13huS1 | LPS | 40JE06 | 400E0 | , g/L | 101 | | 23 h113 | | |
| Dissolve7 uerylli, m | uwH1O13huS1 | LPS | J10E4 | J00E0 | , g/L | 103 | | 23 h113 | | |
| Dissolve7 Pa7mi, m | uwH1O13huS1 | LPS | J14E91 | J00E0 | , g/L | 10. | | 23 h113 | | |
| Dissolve7 Pzromi, m | uwH1O13huS1 | LPS | J1JE34 | J00E0 | , g/L | 106 | | 23 h113 | | |
| Dissolve7 Pobalt | uwH1O13huS1 | LPS | JJ4E0O | J00E0 | , g/L | 11J | | 23 h113 | | |
| Dissolve7 Popper | uwH1O13huS1 | LPS | 40JE43 | 400E0 | , g/L | 101 | | 23 h113 | | |
| Dissolve7 Lea7 | uwH1O13huS1 | LPS | 434E2J | 400E0 | , g/L | 114 | | 23 h113 | | |
| Dissolve7 Nolyb7en, m | uwH1O13huS1 | LPS | JJ0E63 | J00E0 | , g/L | 110 | | 23 h113 | | |
| Dissolve7 Kicl el | uwH1O13huS1 | LPS | 43JE44 | 400E0 | , g/L | 11O | | 23 h113 | | |
| Dissolve7 Seleni, m | uwH1O13huS1 | LPS | 19JE1 | J00E0 | , g/L | 96E1 | | 23 h113 | | |
| Dissolve7 Silver | uwH1O13huS1 | LPS | 103E16 | 100E0 | , g/L | 103 | | 23 h113 | | |
| Dissolve7 Tzalli, m | uwH1O13huS1 | LPS | 439E10 | 400E0 | , g/L | 113 | | 23 h113 | | |
| Dissolve7 Uana7i, m | uwH1O13huS1 | LPS | J1. E63 | J00E0 | , g/L | 109 | | 23 h113 | | |
| Dissolve7 Zinc | uwH1O13huS1 | LPS | 36OE44 | 300E0 | , g/L | 11O | | 23 h113 | | |
| **VC BatM I3 L B, D1QQ1** | | | | | | | | | | |
| Dissolve7 Nerc, ry | uwH1OO1huS1 | LPS | 1E0930 | 1E0000 | , g/L | 110 | | 23 h113 | | |
| **VC BatM I3 L B, D1Q46** | | | | | | | | | | |
| Dissolve7 Nerc, ry | uwH1O40huS1 | LPS | 1E00J3 | 1E0000 | , g/L | 100 | | 23 h113 | | |

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Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# 2 etals Onalgsis

## Vualitg Control Report NyreMsion & OMMuraMg

| Constituent | Tgpe | SourMe Sample I3 | SourMe Result | Result | SpiJe O) ) e) | Enits | Ry3 | yerMent ReMobUerg | Control j imits Ry3 | yerMent ReMobUerg | j ab Vuals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D1Q1-** | ) se7 client sample: Y hDescription: NM7j 02/1J/J014 11:J3 | | | | | | | | | | |
| Dissolve7 8ntimony | D) W | 141263Jh01 | KD | 2B446J | | , g/L | | | J0 | | G |
| | NS | 141263Jh01 | KD | 4J3B19 | 402B16 | , g/L | | 104 | | . 3 h1J3 | |
| | NSD | 141263Jh01 | KD | 406B4J | 402B16 | , g/L | 4B3 | 99B6 | J0 | . 3 h1J3 | |
| Dissolve7 8rsenic | D) W | 141263Jh01 | 11B0. 2 | KD | | , g/L | | | J0 | | |
| | NS | 141263Jh01 | 11B0. 2 | JJ4B90 | J04B02 | , g/L | | 103 | | . 3 h1J3 | |
| | NSD | 141263Jh01 | 11B0. 2 | JO1B69 | J04B02 | , g/L | OB0 | 102 | J0 | . 3 h1J3 | |
| Dissolve7 uari, m | D) W | 141263Jh01 | J4B014 | J4B100 | | , g/L | 0B4 | | J0 | | |
| | NS | 141263Jh01 | J4B014 | 430B34 | 402B16 | , g/L | | 104 | | . 3 h1J3 | |
| | NSD | 141263Jh01 | J4B014 | 44OB0. | 402B16 | , g/L | 1B6 | 10O | J0 | . 3 h1J3 | |
| Dissolve7 uerylli, m | D) W | 141263Jh01 | KD | KD | | , g/L | | | J0 | | |
| | NS | 141263Jh01 | KD | J16B26 | J04B02 | , g/L | | 106 | | . 3 h1J3 | |
| | NSD | 141263Jh01 | KD | J16B32 | J04B02 | , g/L | 0B1 | 106 | J0 | . 3 h1J3 | |
| Dissolve7 Pa7mi, m | D) W | 141263Jh01 | KD | KD | | , g/L | | | J0 | | |
| | NS | 141263Jh01 | KD | JJ6B06 | J04B02 | , g/L | | 111 | | . 3 h1J3 | |
| | NSD | 141263Jh01 | KD | J19B40 | J04B02 | , g/L | OB1 | 102 | J0 | . 3 h1J3 | |
| Dissolve7 Pzromi, m | D) W | 141263Jh01 | 1B4J61 | 1B40J6 | | , g/L | 1B | | J0 | | G |
| | NS | 141263Jh01 | 1B4J61 | J14B 2 | J04B02 | , g/L | | 103 | | . 3 h1J3 | |
| | NSD | 141263Jh01 | 1B4J61 | J1OB01 | J04B02 | , g/L | 0B | 104 | J0 | . 3 h1J3 | |
| Dissolve7 Pobalt | D) W | 141263Jh01 | 1B0. 00 | 1B1922 | | , g/L | 1OB0 | | J0 | | G |
| | NS | 141263Jh01 | 1B0. 00 | JJ4B2. | J04B02 | , g/L | | 110 | | . 3 h1J3 | |
| | NSD | 141263Jh01 | 1B0. 00 | J12B0. | J04B02 | , g/L | JB9 | 106 | J0 | . 3 h1J3 | |
| Dissolve7 Popper | D) W | 141263Jh01 | KD | KD | | , g/L | | | J0 | | |
| | NS | 141263Jh01 | KD | 403B6. | 402B16 | , g/L | | 99B4 | | . 3 h1J3 | |
| | NSD | 141263Jh01 | KD | O92B16 | 402B16 | , g/L | 1B2 | 9. B6 | J0 | . 3 h1J3 | |
| Dissolve7 Lea7 | D) W | 141263Jh01 | KD | KD | | , g/L | | | J0 | | |
| | NS | 141263Jh01 | KD | 460B10 | 402B16 | , g/L | | 11O | | . 3 h1J3 | |
| | NSD | 141263Jh01 | KD | 430B90 | 402B16 | , g/L | JB0 | 110 | J0 | . 3 h1J3 | |
| Dissolve7 Nolyb7en, m | D) W | 141263Jh01 | 12B129 | 1. B396 | | , g/L | OB9 | | J0 | | G |
| | NS | 141263Jh01 | 12B129 | JOOB1. | J04B02 | , g/L | | 103 | | . 3 h1J3 | |
| | NSD | 141263Jh01 | 12B129 | JJ. B00 | J04B02 | , g/L | JB | 10J | J0 | . 3 h1J3 | |
| Dissolve7 Kicl el | D) W | 141263Jh01 | KD | KD | | , g/L | | | J0 | | |
| | NS | 141263Jh01 | KD | 446B20 | 402B16 | , g/L | | 109 | | . 3 h1J3 | |
| | NSD | 141263Jh01 | KD | 4O2B24 | 402B16 | , g/L | 1B2 | 102 | J0 | . 3 h1J3 | |
| Dissolve7 Seleni, m | D) W | 141263Jh01 | KD | KD | | , g/L | | | J0 | | |
| | NS | 141263Jh01 | KD | 191B01 | J04B02 | , g/L | | 9OB6 | | . 3 h1J3 | |
| | NSD | 141263Jh01 | KD | 1. 3B02 | J04B02 | , g/L | 2B3 | 23B9 | J0 | . 3 h1J3 | |
| Dissolve7 Silver | D) W | 141263Jh01 | KD | 1B421 | | , g/L | | | J0 | | G |
| | NS | 141263Jh01 | KD | 102B11 | 10JB04 | , g/L | | 106 | | . 3 h1J3 | |
| | NSD | 141263Jh01 | KD | 10. B03 | 10JB04 | , g/L | 0B | 103 | J0 | . 3 h1J3 | |

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**Reporte) L** 09/02/J014 10:02
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect Nanager: Gason Sapp

# 2 etals Onalgsis

## Vualitg Control Report NyreMsion & OMMuraMg

| Constituent | Tgpe | SourMe Sample I3 | SourMe Result | Result | SpiJe O) ) e) | Enits | Ry3 | yerMent ReMoUerg | Control j imits Ry3 | yerMent ReMoUerg | j ab Vuals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **VC BatM I3 L B, D1Q1-** | ) se7 client sample: Y hDescription: NM0j 02/1J/J014 11:J3 | | | | | | | | | | |
| Dissolve7 Tzalli, m | D) W | 141263Jh01 | KD | KD | | , g/L | | | J0 | | |
| | NS | 141263Jh01 | KD | 426B44 | 402B16 | , g/L | | 119 | | . 3 h1J3 | |
| | NSD | 141263Jh01 | KD | 43OB00 | 402B16 | , g/L | . B1 | 111 | J0 | . 3 h1J3 | |
| Dissolve7 Uana7i, m | D) W | 141263Jh01 | JB444 | JB3O49 | | , g/L | . B9 | | J0 | | G |
| | NS | 141263Jh01 | JB444 | J19BO6 | J04B02 | , g/L | | 106 | | . 3 h1J3 | |
| | NSD | 141263Jh01 | JB444 | J19B9J | J04B02 | , g/L | 0BO | 106 | J0 | . 3 h1J3 | |
| Dissolve7 Zinc | D) W | 141263Jh01 | KD | KD | | , g/L | | | J0 | | |
| | NS | 141263Jh01 | KD | 324BOO | 310BJ0 | , g/L | | 113 | | . 3 h1J3 | |
| | NSD | 141263Jh01 | KD | 3. OBJ1 | 310BJ0 | , g/L | 1B9 | 11J | J0 | . 3 h1J3 | |
| **VC BatM I3 L B, D1QQ1** | ) se7 client sample: Y hDescription: K2h4j 02/1J/J014 09:40 | | | | | | | | | | |
| Dissolve7 Nerc, ry | D) W | 141263Jh0J | KD | KD | | , g/L | | | J0 | | |
| | NS | 141263Jh0J | KD | 1B0O00 | 1B0000 | , g/L | | 10O | | . 0 h1O0 | |
| | NSD | 141263Jh0J | KD | 0B93000 | 1B0000 | , g/L | 2B1 | 93B0 | J0 | . 0 h1O0 | |
| **VC BatM I3 L B, D1Q46** | ) se7 client sample: K | | | | | | | | | | |
| Dissolve7 Nerc, ry | D) W | 1412. 1Ch01 | KD | KD | | , g/L | | | J0 | | |
| | NS | 1412. 1Ch01 | KD | 0B99J30 | 1B0000 | , g/L | | 99BJ | | . 0 h1O0 | |
| | NSD | 1412. 1Ch01 | KD | 0B92300 | 1B0000 | , g/L | 0B2 | 92B3 | J0 | . 0 h1O0 | |

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| | |
|---|---|
| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) L** 09/02/J014 10:02<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Ch0100<br>Wrolect Nanager: Gason Sapp |

## 5otes On) 3efinitions

| | |
|---|---|
| G | Estimate7 Ual, e FPLWdlagX |
| NDL | Netzo7 Detection Limit |
| KD | 8nalyte Kot Detecte7 at or above tze reporting limit |
| WQL | Wractical Q, antitation Limit |
| RWD | Relative Wercent Difference |
| 810 | WQL's an7 NDL's 5ere raise7 7, e to matrix interferenceB |
| L01 | Tze Laboratory Pontrol Sample C ater FLPSC Xrecovery is not 5itzin laboratory establisze7 control limitsB |
| Q0J | Natrix spil e precision is not 5itzin tze control limitsB |
| Q0O | Natrix spil e recoveryFsXisFareXnot 5itzin tze control limitsB |
| S09 | Tze s, rrogate recovery on tze sample for tzis compo, n7 5as not 5itzin tze control limitsB |
| U01 | Tze Mitial Palibration Uerification FMPUXrecovery is not 5itzin establisze7 control limitsB |
| U11 | Tze Pontin, ing Palibration Uerification FPPUXrecovery is not 5itzin establisze7 control limitsB |

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Date of Report: 09/03/2014

Jason Sapp

Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

| | |
|---|---|
| Client Project: | 2013-0100 |
| BCL Project: | Rialto Perchlorate Investigaton |
| BCL Work Order: | 1418653 |
| Invoice ID: | B182268 |

Enclosed are the results of analyses for samples received by the laboratory on 8/13/2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Tina Green
Client Services Manager

Authorized Signature

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BC Laboratories, Inc. (WESTBAY'S)

# Chain of Custody Form

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Report To:
Client: Geo-Logic Assoc.
Attn: Jason Sapp
Street Address: 250 W. 1st St. #228
City, State, Zip: C.M., CA 91711
Phone: 626-2282 (909) Fax: 626-1233 (909)
Email Address:
Work Order #: 14-18653

Project #: 2013.0100
Project Name: Rialto Perchlorate
Sampler(s): BS, DMJ

Analysis Requested

Comments:

| Sample # | Description | Date Sampled | Time Sampled | VOCs (524.2) | GC/MS Fuel Oxygenates (8260B) | TBA, ETBE, DIPE, TAME, 1,2-DCE, EDB, EDC | Perchlorate (314.0) | Sample Matrix: Soil | Sludge | Drinking Water | Ground Water | Waste Water | Other | Turnaround # of work days* | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -1 | MS-7 | 8/12/14 | 1146 | X | X | X | | | | | X | | | | |
| -2 | MS-6 | | 1220 | X | X | X | | | | | X | | | | |
| -3 | MS-5 | | 1258 | X | X | X | | | | | X | | | | |
| -4 | MS-4 | | 1330 | X | X | X | | | | | X | | | | |
| -5 | MS-3 | | 1353 | X | X | X | | | | | X | | | | |
| -6 | MS-2 | | 1520 | X | X | X | | | | | X | | | | |
| -7 | MS-1 | | 1610 | X | X | X | | | | | X | | | | |
| -8 | MG-1 | | 1025 | X | X | X | | | | | X | | | | |
| -9 | MG-2 | | 0928 | X | X | X | | | | | X | | | | |
| -10 | MG-3 | | 0850 | X | X | X | | | | | X | | | | |
| -11 | MG-4 | | 0825 | X | X | X | | | | | X | | | | |

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☒ No

* Standard Turnaround = 10 work days

CHK BY: MW | DISTRIBUTION: MAIL | SUB-OUT ☐

**Billing** ☒ Same as above
Client:
Address:
City: State Zip
Attn:
PO#:

EDF Required? Geotracker ☒ Yes ☐ No
Send Copy to State of CA? (EDT) ☐ Yes ☒ No

Global ID (Needed for EDF)
System # (Needed for EDT)

| Relinquished By | Date | Time | Received By | Date | Time |
|---|---|---|---|---|---|
| 1. [signature] | 8/12/14 | 1700 | 1. [signature] | 8-13-14 | 1300 |
| 2. [signature] | 8-13-14 | 1805 | 2. [signature] | 8-13-14 | 1805 |
| 3. | | | 3. | | |

BC Laboratories, Inc. – 4100 Atlas Ct. – Bakersfield, CA 93308 – 661.327.4911 – Fax: 661.327.1918 – www.bclabs.com

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**Chain of Custody and Cooler Receipt Form for 14189- 0 Page 6 of 0**

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 17 06/05/14 Page 1 Of 2

Submission #: 14-18653

**SHIPPING INFORMATION**
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☒ None ☐ Box ☐
/Other ☐ (Specify)_____

**FREE LIQUID**
YES ☐ NO ☐

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: Pe Thermometer ID: 207 Date/Time 8/13/14 1805
Temperature: (A) 1.3 °C / (C) 1.5 °C Analyst Init MM

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT GENERAL MINERAL/ GENERAL | | | | | | | | | | |
| ~~PT~~ PE UNPRESERVED 8oz | B | B | B | B | B | B | B | B | B | B |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT TOX | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | A 3 | A 3 | A 3 | A 3 | A 3 | A 3 | A 3 | A 3 | A 3 | A 3 |
| QT EPA 413.1, 413.2, 418.1 | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608/8080 | | | | | | | | | | |
| QT EPA 515.1/8150 | | | | | | | | | | |
| QT EPA 525 | | | | | | | | | | |
| QT EPA 525 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz Amber EPA 548 | | | | | | | | | | |
| QT EPA 549 | | | | | | | | | | |
| QT EPA 632 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT AMBER | | | | | | | | | | |
| 8 OZ. JAR | | | | | | | | | | |
| 32 OZ. JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| Summa Canister | | | | | | | | | | |

Comments:
Sample Numbering Completed By: MM Date/Time: 8/13/14@1900 (S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC16
A = Actual / C = Corrected

**Chain of Custody and Cooler Receipt Form for 14189- 0 Page 0 of 0**

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 17 06/05/14 Page 2 Of 2

Submission #: 14-18653

**SHIPPING INFORMATION**
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☒ None ☐ Box ☐
/Other ☐ (Specify)_____

**FREE LIQUID**
YES ☐ NO ☐

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

**COC Received**
☒ YES ☐ NO

Emissivity: 0.97 Container: Pe Thermometer ID: 207 Date/Time 8/13/14 805
Temperature: (A) 1.3 °C / (C) 1.5 °C Analyst Init MM

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT GENERAL MINERAL/ GENERAL | | | | | | | | | | |
| ~~PT~~ PE UNPRESERVED 8oz | B | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT TOX | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PIA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | A3 | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) |
| QT EPA 413.1, 413.2, 418.1 | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608/8080 | | | | | | | | | | |
| QT EPA 515.1/8150 | | | | | | | | | | |
| QT EPA 525 | | | | | | | | | | |
| QT EPA 525 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz Amber EPA 548 | | | | | | | | | | |
| QT EPA 549 | | | | | | | | | | |
| QT EPA 632 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT AMBER | | | | | | | | | | |
| 8 OZ. JAR | | | | | | | | | | |
| 32 OZ. JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| Summa Canister | | | | | | | | | | |

Comments:_____
Sample Numbering Completed By: MM Date/Time: 8/13/14@1700 (S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC16
A = Actual / C = Corrected

Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| 14189-0M31 | COC Number: | --- | Receive Date: | 08/13/2014 18:05 |
| | Project Number: | --- | Sampling Date: | 08/12/2014 11:46 |
| | Sampling Location: | --- | Sample Depth: | --- |
| | Sampling Point: | M5-7 | Lab 2 atrix: | Water |
| | Sampled By: | --- | Sample Type: | Groundwater |
| 14189-0M36 | COC Number: | --- | Receive Date: | 08/13/2014 18:05 |
| | Project Number: | --- | Sampling Date: | 08/12/2014 12:20 |
| | Sampling Location: | --- | Sample Depth: | --- |
| | Sampling Point: | M5-6 | Lab 2 atrix: | Water |
| | Sampled By: | --- | Sample Type: | Groundwater |
| 14189-0M30 | COC Number: | --- | Receive Date: | 08/13/2014 18:05 |
| | Project Number: | --- | Sampling Date: | 08/12/2014 12:58 |
| | Sampling Location: | --- | Sample Depth: | --- |
| | Sampling Point: | M5-5 | Lab 2 atrix: | Water |
| | Sampled By: | --- | Sample Type: | Groundwater |
| 14189-0M34 | COC Number: | --- | Receive Date: | 08/13/2014 18:05 |
| | Project Number: | --- | Sampling Date: | 08/12/2014 13:30 |
| | Sampling Location: | --- | Sample Depth: | --- |
| | Sampling Point: | M5-4 | Lab 2 atrix: | Water |
| | Sampled By: | --- | Sample Type: | Groundwater |
| 14189-0M3- | COC Number: | --- | Receive Date: | 08/13/2014 18:05 |
| | Project Number: | --- | Sampling Date: | 08/12/2014 13:53 |
| | Sampling Location: | --- | Sample Depth: | --- |
| | Sampling Point: | M5-3 | Lab 2 atrix: | Water |
| | Sampled By: | --- | Sample Type: | Groundwater |
| 14189-0M39 | COC Number: | --- | Receive Date: | 08/13/2014 18:05 |
| | Project Number: | --- | Sampling Date: | 08/12/2014 15:20 |
| | Sampling Location: | --- | Sample Depth: | --- |
| | Sampling Point: | M5-2 | Lab 2 atrix: | Water |
| | Sampled By: | --- | Sample Type: | Groundwater |
| 14189-0M35 | COC Number: | --- | Receive Date: | 08/13/2014 18:05 |
| | Project Number: | --- | Sampling Date: | 08/12/2014 16:10 |
| | Sampling Location: | --- | Sample Depth: | --- |
| | Sampling Point: | M5-1 | Lab 2 atrix: | Water |
| | Sampled By: | --- | Sample Type: | Groundwater |

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| | |
|---|---|
| Geologic Associates<br>1831 Commercenter East<br>San Bernardino, CA 92408 | **Reported:** 09/03/2014 16:43<br>Project: Rialto Perchlorate Investigaton<br>Project Number: 2013-0100<br>Project Manager: Jason Sapp |

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| 14189-0M38 | **COC Number:** | --- | **Receive Date:** | 08/13/2014 18:05 |
| | **Project Number:** | --- | **Sampling Date:** | 08/12/2014 10:25 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | M6-1 | **Lab 2 atrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |
| 14189-0M37 | **COC Number:** | --- | **Receive Date:** | 08/13/2014 18:05 |
| | **Project Number:** | --- | **Sampling Date:** | 08/12/2014 09:28 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | M6-2 | **Lab 2 atrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |
| 14189-0M3 | **COC Number:** | --- | **Receive Date:** | 08/13/2014 18:05 |
| | **Project Number:** | --- | **Sampling Date:** | 08/12/2014 08:50 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | M6-3 | **Lab 2 atrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |
| 14189-0M1 | **COC Number:** | --- | **Receive Date:** | 08/13/2014 18:05 |
| | **Project Number:** | --- | **Sampling Date:** | 08/12/2014 08:25 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | M6-4 | **Lab 2 atrix:** | Water |
| | **Sampled By:** | --- | **Sample Type:** | Groundwater |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-01 | **Client Sample Name:** M5-7, 8/12/2014 11:46:00AM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-01 | **Client Sample Name:** M5-7, 8/12/2014 11:46:00AM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Trichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-01 | **Client Sample Name:** M5-7, 8/12/2014 11:46:00AM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 114 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 97.2 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 88.2 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | 2 ethod | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/18/14 | 08/18/14 11:05 | JCC | MS-V14 | 1 | BXH1540 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418653-01 | **Client Sample Name:** M5-7, 8/12/2014 11:46:00AM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Perchlorate | ND | ug/L | 4.0 | 0.45 | EPA-314.0 | ND | | 1 |

| Run # | 2 ethod | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 09/01/14 | 09/01/14 21:38 | OLH | IC6 | 1 | BXI0005 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-02 | **Client Sample Name:** M5-6, 8/12/2014 12:20:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-02 | **Client Sample Name:** M5-6, 8/12/2014 12:20:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Trichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-02 | **Client Sample Name:** M5-6, 8/12/2014 12:20:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 113 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 97.5 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 82.3 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | 2 ethod | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/18/14 | 08/18/14 11:28 | JCC | MS-V14 | 1 | BXH1540 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418653-02 | **Client Sample Name:** M5-6, 8/12/2014 12:20:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Perchlorate | ND | ug/L | 4.0 | 0.45 | EPA-314.0 | ND | | 1 |

| Run # | 2 ethod | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 09/01/14 | 09/01/14 22:47 | OLH | IC6 | 1 | BXI0006 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-03 | **Client Sample Name:** M5-5, 8/12/2014 12:58:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-03 | **Client Sample Name:** M5-5, 8/12/2014 12:58:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Trichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-03 | **Client Sample Name:** M5-5, 8/12/2014 12:58:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 109 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 96.9 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 88.3 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | 2 ethod | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/18/14 | 08/18/14 11:52 | JCC | MS-V14 | 1 | BXH1540 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418653-03 | **Client Sample Name:** M5-5, 8/12/2014 12:58:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Perchlorate | ND | ug/L | 4.0 | 0.45 | EPA-314.0 | ND | | 1 |

| Run # | 2 ethod | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 09/01/14 | 09/01/14 23:43 | OLH | IC6 | 1 | BXI0006 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-04 | **Client Sample Name:** M5-4, 8/12/2014 1:30:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-04 | **Client Sample Name:** M5-4, 8/12/2014 1:30:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Trichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-04 | **Client Sample Name:** M5-4, 8/12/2014 1:30:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 110 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 95.9 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 82.3 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | 2 ethod | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/18/14 | 08/18/14 12:15 | JCC | MS-V14 | 1 | BXH1540 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418653-04 | **Client Sample Name:** M5-4, 8/12/2014 1:30:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **1.7** | **ug/L** | **4.3** | **3.4-** | **EPAM014.3** | ND | **J** | 1 |

| Run # | 2 ethod | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 09/01/14 | 09/01/14 23:57 | OLH | IC6 | 1 | BXI0006 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-05 | **Client Sample Name:** M5-3, 8/12/2014 1:53:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-05 | **Client Sample Name:** M5-3, 8/12/2014 1:53:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Trichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-05 | **Client Sample Name:** M5-3, 8/12/2014 1:53:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 114 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 98.9 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 87.4 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | 2 ethod | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/18/14 | 08/18/14 13:01 | JCC | MS-V14 | 1 | BXH1540 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418653-05 | **Client Sample Name:** M5-3, 8/12/2014 1:53:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **1.4** | **ug/L** | **4.3** | **3.4-** | **EPAM014.3** | ND | **J** | 1 |

| Run # | 2 ethod | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 09/01/14 | 09/02/14 00:10 | OLH | IC6 | 1 | BXI0006 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-06 | **Client Sample Name:** M5-2, 8/12/2014 3:20:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-06 | **Client Sample Name:** M5-2, 8/12/2014 3:20:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Trichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-06 | **Client Sample Name:** M5-2, 8/12/2014 3:20:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 115 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 97.5 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 86.5 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | 2 ethod | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/18/14 | 08/18/14 13:25 | JCC | MS-V14 | 1 | BXH1540 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418653-06 | **Client Sample Name:** M5-2, 8/12/2014 3:20:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **3.99** | **ug/L** | **4.3** | **3.4-** | **EPAM014.3** | ND | **J** | 1 |

| Run # | 2 ethod | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 09/01/14 | 09/02/14 00:24 | OLH | IC6 | 1 | BXI0006 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-07 | **Client Sample Name:** M5-1, 8/12/2014 4:10:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| **1,6N Dichloropropane** | **1.6** | **ug/L** | **3.- 3** | **3.10** | **EPAM64.6** | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-07 | **Client Sample Name:** M5-1, 8/12/2014 4:10:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| **Tetrachloroethene** | **6.8** | **ug/L** | **3.- 3** | **3.10** | **EPAM64.6** | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| **Trichloroethene** | **3.68** | **ug/L** | **3.- 3** | **3.38-** | **EPAM64.6** | ND | **J** | 1 |
| **Trichlorofluoromethane** | **3.18** | **ug/L** | **3.- 3** | **3.10** | **EPAM64.6** | ND | **J** | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-07 | **Client Sample Name:** M5-1, 8/12/2014 4:10:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 117 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 99.5 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 82.9 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | 2 ethod | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/18/14 | 08/18/14 13:48 | JCC | MS-V14 | 1 | BXH1540 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418653-07 | **Client Sample Name:** M5-1, 8/12/2014 4:10:00PM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **1.-** | **ug/L** | **4.3** | **3.4-** | **EPAM014.3** | ND | **J** | 1 |

| Run # | 2 ethod | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 08/31/14 | 08/31/14 14:28 | OLH | IC6 | 1 | BXH2984 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-08 | **Client Sample Name:** M6-1, 8/12/2014 10:25:00AM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-08 | **Client Sample Name:** M6-1, 8/12/2014 10:25:00AM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| **Trichloroethene** | **1.6** | **ug/L** | **3.- 3** | **3.38-** | **EPAM64.6** | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-08 | **Client Sample Name:** M6-1, 8/12/2014 10:25:00AM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 113 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 98.0 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 80.6 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | 2 ethod | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/18/14 | 08/18/14 14:11 | JCC | MS-V14 | 1 | BXH1540 |

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San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418653-08 | **Client Sample Name:** M6-1, 8/12/2014 10:25:00AM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **8.0** | **ug/L** | **4.3** | **3.4-** | **EPAM014.3** | ND | | 1 |

| Run # | 2 ethod | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 09/01/14 | 09/02/14 00:38 | OLH | IC6 | 1 | BXI0006 |

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San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-09 | **Client Sample Name:** M6-2, 8/12/2014 9:28:00AM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-09 | **Client Sample Name:** M6-2, 8/12/2014 9:28:00AM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| **Trichloroethene** | **3.89** | **ug/L** | **3.- 3** | **3.38-** | **EPAM64.6** | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-09 | **Client Sample Name:** M6-2, 8/12/2014 9:28:00AM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 114 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 95.5 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 86.2 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | 2 ethod | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/18/14 | 08/18/14 14:35 | JCC | MS-V14 | 1 | BXH1540 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418653-09 | **Client Sample Name:** M6-2, 8/12/2014 9:28:00AM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **10** | **ug/L** | **4.3** | **3.4-** | **EPAM014.3** | ND | | 1 |

| Run # | 2 ethod | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 09/01/14 | 09/02/14 00:52 | OLH | IC6 | 1 | BXI0006 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-10 | **Client Sample Name:** M6-3, 8/12/2014 8:50:00AM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-10 | **Client Sample Name:** M6-3, 8/12/2014 8:50:00AM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| **Trichloroethene** | **0.1** | **ug/L** | **3.- 3** | **3.38-** | **EPAM64.6** | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-10 | **Client Sample Name:** M6-3, 8/12/2014 8:50:00AM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 120 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 100 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 83.8 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | 2 ethod | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/18/14 | 08/18/14 14:58 | JCC | MS-V14 | 1 | BXH1540 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418653-10 | **Client Sample Name:** M6-3, 8/12/2014 8:50:00AM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **1-** | **ug/L** | **4.3** | **3.4-** | **EPAM014.3** | ND | | 1 |

| Run # | 2 ethod | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 09/01/14 | 09/02/14 01:33 | OLH | IC6 | 1 | BXI0006 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-11 | **Client Sample Name:** M6-4, 8/12/2014 8:25:00AM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-11 | **Client Sample Name:** M6-4, 8/12/2014 8:25:00AM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-524.2 | ND | | 1 |
| Trichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.6 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.80 | EPA-524.2 | ND | | 1 |
| t-Amyl Methyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

**BCL Sample ID:** 1418653-11 | **Client Sample Name:** M6-4, 8/12/2014 8:25:00AM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA-524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.97 | EPA-524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA-524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.7 | EPA-524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA-524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.47 | EPA-524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA-524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA-524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA-524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA-524.2 | ND | V01 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA-524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA-524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 109 | % | 75 - 125 (LCL - UCL) | | EPA-524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 97.2 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 87.2 | % | 80 - 120 (LCL - UCL) | | EPA-524.2 | | | 1 |

| Run # | 2 ethod | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-524.2 | 08/18/14 | 08/18/14 15:21 | JCC | MS-V14 | 1 | BXH1540 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 1418653-11 | **Client Sample Name:** M6-4, 8/12/2014 8:25:00AM

| Constituent | Result | Units | PQL | 2 DL | 2 ethod | 2 B Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **0.5** | **ug/L** | **4.3** | **3.4-** | **EPAM014.3** | ND | **J** | 1 |

| Run # | 2 ethod | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA-314.0 | 09/01/14 | 09/02/14 01:47 | OLH | IC6 | 1 | BXI0006 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

## Quality Control Report M2 ethod Blank Analysis

| Constituent | QC Sample ID | 2 B Result | Units | PQL | 2 DL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1- 43** | | | | | | |
| Benzene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.083 | |
| Bromobenzene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| Bromochloromethane | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.24 | |
| Bromodichloromethane | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.14 | |
| Bromoform | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.27 | |
| Bromomethane | BXH1540-BLK1 | ND | ug/L | 1.0 | 0.25 | |
| n-Butylbenzene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| sec-Butylbenzene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| tert-Butylbenzene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| Carbon tetrachloride | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.18 | |
| Chlorobenzene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.093 | |
| Chloroethane | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.14 | |
| Chloroform | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| Chloromethane | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.14 | |
| 2-Chlorotoluene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.20 | |
| 4-Chlorotoluene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| Dibromochloromethane | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| 1,2-Dibromo-3-chloropropane | BXH1540-BLK1 | ND | ug/L | 1.0 | 0.44 | |
| 1,2-Dibromoethane | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.16 | |
| Dibromomethane | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.24 | |
| 1,2-Dichlorobenzene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.072 | |
| 1,3-Dichlorobenzene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| 1,4-Dichlorobenzene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.062 | |
| Dichlorodifluoromethane | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.099 | |
| 1,1-Dichloroethane | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| 1,2-Dichloroethane | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.17 | |
| 1,1-Dichloroethene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.18 | |
| cis-1,2-Dichloroethene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.085 | |
| trans-1,2-Dichloroethene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| 1,2-Dichloropropane | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| 1,3-Dichloropropane | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.086 | |
| 2,2-Dichloropropane | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| 1,1-Dichloropropene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.085 | |
| cis-1,3-Dichloropropene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.14 | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

## Quality Control Report M2 ethod Blank Analysis

| Constituent | QC Sample ID | 2 B Result | Units | PQL | 2 DL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1- 43** | | | | | | |
| trans-1,3-Dichloropropene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.079 | |
| Ethylbenzene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.098 | |
| Hexachlorobutadiene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.17 | |
| Isopropylbenzene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.14 | |
| p-Isopropyltoluene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| Methylene chloride | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.48 | |
| Methyl t-butyl ether | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| Naphthalene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.36 | |
| n-Propylbenzene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| Styrene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.068 | |
| 1,1,1,2-Tetrachloroethane | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.18 | |
| 1,1,2,2-Tetrachloroethane | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.17 | |
| Tetrachloroethene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| Toluene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.093 | |
| 1,2,3-Trichlorobenzene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.16 | |
| 1,2,4-Trichlorobenzene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.19 | |
| 1,1,1-Trichloroethane | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| 1,1,2-Trichloroethane | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.16 | |
| Trichloroethene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.085 | |
| Trichlorofluoromethane | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| 1,2,3-Trichloropropane | BXH1540-BLK1 | ND | ug/L | 1.0 | 0.24 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| 1,2,4-Trimethylbenzene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| 1,3,5-Trimethylbenzene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| Vinyl chloride | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| Acetone | BXH1540-BLK1 | ND | ug/L | 10 | 4.6 | |
| Acrylonitrile | BXH1540-BLK1 | ND | ug/L | 5.0 | 1.2 | |
| Allyl chloride | BXH1540-BLK1 | ND | ug/L | 5.0 | 0.80 | |
| t-Amyl Methyl ether | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.25 | |
| t-Butyl alcohol | BXH1540-BLK1 | ND | ug/L | 10 | 9.4 | |
| Carbon disulfide | BXH1540-BLK1 | ND | ug/L | 1.0 | 0.38 | |
| trans-1,4-Dichloro-2-butene | BXH1540-BLK1 | ND | ug/L | 5.0 | 1.4 | |
| Diisopropyl ether | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.23 | |
| Ethyl methacrylate | BXH1540-BLK1 | ND | ug/L | 4.0 | 0.97 | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

## Quality Control Report M2 ethod Blank Analysis

| Constituent | QC Sample ID | 2 B Result | Units | PQL | 2 DL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1-43** | | | | | | |
| Ethyl t-butyl ether | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.18 | |
| 2-Hexanone | BXH1540-BLK1 | ND | ug/L | 10 | 3.4 | |
| Methacrylonitrile | BXH1540-BLK1 | ND | ug/L | 10 | 1.7 | |
| Methyl ethyl ketone | BXH1540-BLK1 | ND | ug/L | 10 | 2.5 | |
| Methyl iodide | BXH1540-BLK1 | ND | ug/L | 2.0 | 0.47 | |
| Methyl isobutyl ketone | BXH1540-BLK1 | ND | ug/L | 10 | 2.1 | |
| Methyl methacrylate | BXH1540-BLK1 | ND | ug/L | 5.0 | 1.5 | |
| Nitrobenzene | BXH1540-BLK1 | ND | ug/L | 30 | 13 | |
| Pentachloroethane | BXH1540-BLK1 | ND | ug/L | 2.0 | 0.43 | |
| Propionitrile | BXH1540-BLK1 | ND | ug/L | 20 | 4.2 | |
| Tetrahydrofuran | BXH1540-BLK1 | ND | ug/L | 20 | 5.2 | |
| p- & m-Xylenes | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.28 | |
| o-Xylene | BXH1540-BLK1 | ND | ug/L | 0.50 | 0.082 | |
| **1,6ND ichloroethaneM14 (Surrogate)** | **BXH1-43MBLK1** | **116** | % | **5- M16- (LCL MUCL)** | | |
| **TolueneM18 (Surrogate)** | **BXH1-43MBLK1** | **75.3** | % | **83 M163 (LCL MUCL)** | | |
| **4MBromofluorobenzene (Surrogate)** | **BXH1-43MBLK1** | **84.8** | % | **83 M163 (LCL MUCL)** | | |

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San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

## Quality Control Report MLaboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1- 43** | | | | | | | | | | |
| Benzene | BXH1540-BS1 | LCS | 23.613 | 25.000 | ug/L | 94.5 | | 70 - 130 | | |
| Bromodichloromethane | BXH1540-BS1 | LCS | 25.104 | 25.000 | ug/L | 100 | | 70 - 130 | | |
| Chlorobenzene | BXH1540-BS1 | LCS | 22.192 | 25.000 | ug/L | 88.8 | | 70 - 130 | | |
| Chloroethane | BXH1540-BS1 | LCS | 23.239 | 25.000 | ug/L | 93.0 | | 70 - 130 | | |
| 1,4-Dichlorobenzene | BXH1540-BS1 | LCS | 25.361 | 25.000 | ug/L | 101 | | 70 - 130 | | |
| 1,1-Dichloroethane | BXH1540-BS1 | LCS | 24.216 | 25.000 | ug/L | 96.9 | | 70 - 130 | | |
| 1,1-Dichloroethene | BXH1540-BS1 | LCS | 27.472 | 25.000 | ug/L | 110 | | 70 - 130 | | |
| Toluene | BXH1540-BS1 | LCS | 23.156 | 25.000 | ug/L | 92.6 | | 70 - 130 | | |
| Trichloroethene | BXH1540-BS1 | LCS | 27.512 | 25.000 | ug/L | 110 | | 70 - 130 | | |
| 1,2-Dichloroethane-d4 (Surrogate) | BXH1540-BS1 | LCS | 11.690 | 10.000 | ug/L | 117 | | 75 - 125 | | |
| Toluene-d8 (Surrogate) | BXH1540-BS1 | LCS | 9.9300 | 10.000 | ug/L | 99.3 | | 80 - 120 | | |
| 4-Bromofluorobenzene (Surrogate) | BXH1540-BS1 | LCS | 10.480 | 10.000 | ug/L | 105 | | 80 - 120 | | |

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San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA 2 ethod - 64.6)

## Quality Control Report MPrecision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1-43** | Used client sample: Y - Description: M5-7, 08/12/2014 11:46 | | | | | | | | | | |
| Benzene | MS | 1418653-01 | ND | 23.340 | 25.000 | ug/L | | 93.4 | | 70 - 130 | |
| | MSD | 1418653-01 | ND | 22.737 | 25.000 | ug/L | 2.6 | 90.9 | 20 | 70 - 130 | |
| Bromodichloromethane | MS | 1418653-01 | ND | 24.651 | 25.000 | ug/L | | 98.6 | | 70 - 130 | |
| | MSD | 1418653-01 | ND | 24.051 | 25.000 | ug/L | 2.5 | 96.2 | 20 | 70 - 130 | |
| Chlorobenzene | MS | 1418653-01 | ND | 22.067 | 25.000 | ug/L | | 88.3 | | 70 - 130 | |
| | MSD | 1418653-01 | ND | 21.430 | 25.000 | ug/L | 2.9 | 85.7 | 20 | 70 - 130 | |
| Chloroethane | MS | 1418653-01 | ND | 24.116 | 25.000 | ug/L | | 96.5 | | 70 - 130 | |
| | MSD | 1418653-01 | ND | 23.213 | 25.000 | ug/L | 3.8 | 92.9 | 20 | 70 - 130 | |
| 1,4-Dichlorobenzene | MS | 1418653-01 | ND | 24.689 | 25.000 | ug/L | | 98.8 | | 70 - 130 | |
| | MSD | 1418653-01 | ND | 24.137 | 25.000 | ug/L | 2.3 | 96.5 | 20 | 70 - 130 | |
| 1,1-Dichloroethane | MS | 1418653-01 | ND | 23.478 | 25.000 | ug/L | | 93.9 | | 70 - 130 | |
| | MSD | 1418653-01 | ND | 23.240 | 25.000 | ug/L | 1.0 | 93.0 | 20 | 70 - 130 | |
| 1,1-Dichloroethene | MS | 1418653-01 | ND | 27.298 | 25.000 | ug/L | | 109 | | 70 - 130 | |
| | MSD | 1418653-01 | ND | 26.229 | 25.000 | ug/L | 4.0 | 105 | 20 | 70 - 130 | |
| Toluene | MS | 1418653-01 | ND | 22.877 | 25.000 | ug/L | | 91.5 | | 70 - 130 | |
| | MSD | 1418653-01 | ND | 21.922 | 25.000 | ug/L | 4.3 | 87.7 | 20 | 70 - 130 | |
| Trichloroethene | MS | 1418653-01 | ND | 25.181 | 25.000 | ug/L | | 101 | | 70 - 130 | |
| | MSD | 1418653-01 | ND | 23.875 | 25.000 | ug/L | 5.3 | 95.5 | 20 | 70 - 130 | |
| 1,2-Dichloroethane-d4 (Surrogate) | MS | 1418653-01 | ND | 11.550 | 10.000 | ug/L | | 116 | | 75 - 125 | |
| | MSD | 1418653-01 | ND | 11.770 | 10.000 | ug/L | 1.9 | 118 | | 75 - 125 | |
| Toluene-d8 (Surrogate) | MS | 1418653-01 | ND | 9.9300 | 10.000 | ug/L | | 99.3 | | 80 - 120 | |
| | MSD | 1418653-01 | ND | 9.6800 | 10.000 | ug/L | 2.5 | 96.8 | | 80 - 120 | |
| 4-Bromofluorobenzene (Surrogate) | MS | 1418653-01 | ND | 10.160 | 10.000 | ug/L | | 102 | | 80 - 120 | |
| | MSD | 1418653-01 | ND | 10.470 | 10.000 | ug/L | 3.0 | 105 | | 80 - 120 | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

## Quality Control Report M2 ethod Blank Analysis

| Constituent | QC Sample ID | 2 B Result | Units | PQL | 2 DL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH6784** | | | | | | |
| Perchlorate | BXH2984-BLK1 | ND | ug/L | 4.0 | 0.45 | |
| **QC Batch ID: BXI333-** | | | | | | |
| Perchlorate | BXI0005-BLK1 | ND | ug/L | 4.0 | 0.45 | |
| **QC Batch ID: BXI3339** | | | | | | |
| Perchlorate | BXI0006-BLK1 | ND | ug/L | 4.0 | 0.45 | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

## Quality Control Report MLaboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH6784** | | | | | | | | | | |
| Perchlorate | BXH2984-BS1 | LCS | 9.7943 | 10.000 | ug/L | 97.9 | | 85 - 115 | | |
| **QC Batch ID: BXI333-** | | | | | | | | | | |
| Perchlorate | BXI0005-BS1 | LCS | 10.711 | 10.000 | ug/L | 107 | | 85 - 115 | | |
| **QC Batch ID: BXI3339** | | | | | | | | | | |
| Perchlorate | BXI0006-BS1 | LCS | 11.350 | 10.000 | ug/L | 114 | | 85 - 115 | | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/03/2014 16:43
Project: Rialto Perchlorate Investigaton
Project Number: 2013-0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

## Quality Control Report MPrecision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH6784** | Used client sample: N | | | | | | | | | | |
| Perchlorate | DUP | 420019-05RE´ | 18.303 | 18.155 | | ug/L | 0.8 | | 15 | | |
| | MS | 420019-05RE´ | 18.303 | 41.152 | 20.202 | ug/L | | 113 | | 80 - 120 | |
| | MSD | 420019-05RE´ | 18.303 | 41.199 | 20.202 | ug/L | 0.1 | 113 | 15 | 80 - 120 | |
| **QC Batch ID: BXI333-** | Used client sample: N | | | | | | | | | | |
| Perchlorate | DUP | 1418652-05 | 5.1630 | 4.9178 | | ug/L | 4.9 | | 15 | | |
| | MS | 1418652-05 | 5.1630 | 15.656 | 10.101 | ug/L | | 104 | | 80 - 120 | |
| | MSD | 1418652-05 | 5.1630 | 16.047 | 10.101 | ug/L | 2.5 | 108 | 15 | 80 - 120 | |
| **QC Batch ID: BXI3339** | Used client sample: Y - Description: M5-6, 08/12/2014 12:20 | | | | | | | | | | |
| Perchlorate | DUP | 1418653-02 | ND | ND | | ug/L | | | 15 | | |
| | MS | 1418653-02 | ND | 11.170 | 10.101 | ug/L | | 111 | | 80 - 120 | |
| | MSD | 1418653-02 | ND | 11.021 | 10.101 | ug/L | 1.3 | 109 | 15 | 80 - 120 | |

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| | |
|---|---|
| Geologic Associates<br>1831 Commercenter East<br>San Bernardino, CA 92408 | **Reported:** 09/03/2014 16:43<br>Project: Rialto Perchlorate Investigaton<br>Project Number: 2013-0100<br>Project Manager: Jason Sapp |

## Notes And Definitions

| | |
|---|---|
| J | Estimated Value (CLP Flag) |
| MDL | Method Detection Limit |
| ND | Analyte Not Detected at or above the reporting limit |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| V01 | The Initial Calibration Verification (ICV) recovery is not within established control limits. |
| V11 | The Continuing Calibration Verification (CCV) recovery is not within established control limits. |

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Date of Report: 09/02/J014

Gason Sapp

Aeologic 8ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

| | |
|---|---|
| Plient Wrolect: | J01Cr0100 |
| uPL Wrolect: | Rialto Werczlorate Mvestigaton |
| uPL C orl q r7er: | 1412. 92 |
| Mvoice ND: | u12J343 |

Enclose7 are tze res, lts of analyses for samples receive7 by tze laboratory on 2/14/J014B Mlyo, zave any #, estions concerning tzis reportj please feel free to contact meB

Sincerelyj

Pontact Werson: Tina Areen
Plient Services ; anager

8, tzori6e7 Signat, re

Pertifications: P8 EL8WN112V- KU NP800014- q R EL8WN40QJr001- 8( ) ST101

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# Table of Contents

## Sample Information

Pzain of P, sto7y an7 Pooler Receipt form 4
Laboratory / Plient Sample Pross Reference .

## Sample Results

**14189-80N1 0 623 05**
Uolatile q rganic 8nalysis FEW8 ; etzo7 3J4BIX 9
C ater 8nalysis FAeneral PzemistryX 1J

**14189-80N5 0 623 04**
Uolatile q rganic 8nalysis FEW8 ; etzo7 3J4BIX 1O
q rganoczlorine Westici7es an7 WPu's FEW8 ; etzo7 2020X 1V
q rganohWzospzor, s Westici7e 8nalysis FEW8 ; etzo7 2141uX 1.
Pzlorinate7 Herbici7es FEW8 ; etzo7 21318X 12
uase Ke, tral an7 8ci7 Extractables q rganic 8nalysis FEW8 ; etzo7 2J. 0PX 19
KD; 8 FEW8 ; etzo7 2J. 0PhSM X JJ
C ater 8nalysis FAeneral PzemistryX JO
; etals 8nalysis J4

**14189-80NQ 0 AB05**
Uolatile q rganic 8nalysis FEW8 ; etzo7 3J4BIX J3
C ater 8nalysis FAeneral PzemistryX J2

**14189-80N4 0 A07**
Uolatile q rganic 8nalysis FEW8 ; etzo7 3J4BIX J9
C ater 8nalysis FAeneral PzemistryX OJ

**14189-80N7 0 A904**
Uolatile q rganic 8nalysis FEW8 ; etzo7 3J4BIX OO
q rganoczlorine Westici7es an7 WPu's FEW8 ; etzo7 2020X OV
q rganohWzospzor, s Westici7e 8nalysis FEW8 ; etzo7 2141uX O.
Pzlorinate7 Herbici7es FEW8 ; etzo7 21318X O2
uase Ke, tral an7 8ci7 Extractables q rganic 8nalysis FEW8 ; etzo7 2J. 0PX O9
KD; 8 FEW8 ; etzo7 2J. 0PhSM X 4J
C ater 8nalysis FAeneral PzemistryX 4O
; etals 8nalysis 44

**14189-80N2 0 A180E**
Uolatile q rganic 8nalysis FEW8 ; etzo7 3J4BIX 43
C ater 8nalysis FAeneral PzemistryX 42

**14189-80N9 0 A180C5**
Uolatile q rganic 8nalysis FEW8 ; etzo7 3J4BIX 49
C ater 8nalysis FAeneral PzemistryX 3J

**14189-80N8 0 y C3 E**
Uolatile q rganic 8nalysis FEW8 ; etzo7 3J4BIX 3O

**14189-80N- 0 y CTE**
Uolatile q rganic 8nalysis FEW8 ; etzo7 3J4BIX 3V

## y ualitV Control Reports

**Oolatile g rcani( 3 nalVsis FMh3 d et. o) 754'5H**
; etzo7 u lanI 8nalysis 39
Laboratory Pontrol Sample VJ
Wrecision an7 8cc, racy VO

**g rcano( . lorine hesti( i) es an) hCExs FMh3 d et. o) 8N8NH**
; etzo7 u lanI 8nalysis V4
Laboratory Pontrol Sample V3
Wrecision an7 8cc, racy VV

**g rcano0h. osp. orus hesti( i) e 3 nalVsis FMh3 d et. o) 8141EH**
; etzo7 u lanI 8nalysis V.
Laboratory Pontrol Sample V2
Wrecision an7 8cc, racy V9

# Table of Contents

**C. lorinate) Berbi( i) es RMh3 d et. o) 81713 H**
; etzo7 ulanl 8nalysis . 0
Laboratory Pontrol Sample . 1
Wecision an7 8cc, racy . J
**Ease Aeutral an) 3 ( i) MDtra( tables g rcani( 3nalVsis RMh3 d et. o) 859NCH**
; etzo7 ulanl 8nalysis . O
Laboratory Pontrol Sample . V
Wecision an7 8cc, racy . .
**AWd 3 RMh3 d et. o) 859NC0SId H**
; etzo7 ulanl 8nalysis . 9
Laboratory Pontrol Sample 20
Wecision an7 8cc, racy 21
**G ater 3nalVsis RF eneral C. emistrVH**
; etzo7 ulanl 8nalysis 2J
Laboratory Pontrol Sample 2O
Wecision an7 8cc, racy 24
**d etals 3nalVsis**
; etzo7 ulanl 8nalysis 23
Laboratory Pontrol Sample 2V
Wecision an7 8cc, racy 2.

## Aotes

Kotes an7 Definitions 29

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BC Laboratories, Inc.

# Chain of Custody Form

Page 1 of 1

Report To:
Client: Geologic Associates
Attn: Jason Sapp
Street Address: 250 W. 1st St. #228
City, State, Zip: Claremont CA 91711
Phone: Fax:
Email Address:
Work Order #: 14.18798

Project #: 2013.2100
Project Name: Rialto Perchlorate
Sampler(s): A. Shaw, M. Campbell

Analysis Requested

Comments:
*VOCs (EPA 524.2) Expanded list includes 1,2,3-TCP, TAME, TBA, ETBE and 1,1,2-TCTFA.
*Metals are field filtered.

Are there any tests with holding times less than or equal to 48 hours? ☒ Yes ☐ No

* Standard Turnaround = 10 work days

| Sample # | Description | Date Sampled | Time Sampled | VOCs (EPA 524.2)* | Perchlorate (EPA 314.0) | Hardness (Calc.) | TDS (EPA 160.1) | Chloride, Nitrate, Nitrite, Sulfate | Alkalinity, Hydroxide, Carbonate (310.1) | MBAS (EPA 425.1) | Ca, Mg, K, Na (EPA 200.7) | Sb, As, Ba, Be, Cd, Cr, Co, Pb, Ni, Se, Ag, Tl, V (EPA 200.8) | Hg, Mn, Se, Ag (EPA 245.1) | Zn (EPA 200.7) | Organochlorine Pesticides and PCBs (EPA 8082) | Organophosphorus Pesticides (EPA 8141) | Chlorinated Herbicides (EPA 8151) | SVOCs (EPA 8270-SIM) | NDMA (EPA 8270-SIM) | Sample Matrix: Soil | Sludge | Drinking Water | Ground Water | Waste Water | Other (LAB DIST.) | Turnaround # of work days* | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -1 | FBA-2 | 8/13/14 | 1035 | X | X | | | | | | | | | | | | | | | | | | X | | | | |
| -2 | FBA-4 | | 1348 | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | | | X | | | | Sample Time 13:48 |
| -3 | N4-2 | | 1515 | X | X | | | | | | | | | | | | | | | | | | X | | | | |
| -4 | N-5 | | 0925 | X | X | | | | | | | | | | | | | | | | | | X | | | | |
| -5 | N7-4 | | 1615 | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | | | X | | | | |
| -6 | N18-B | | 1039 | X | X | | | | | | | | | | | | | | | | | | X | | | | |
| -7 | N18-C2 | | 1100 | X | X | | | | | | | | | | | | | | | | | | X | | | | |
| -8 | QCAB | | — | X | | | | | | | | | | | | | | | | | | | | X | | | |
| -9 | QCTB | | — | X | | | | | | | | | | | | | | | | | | | | X | | | |

SHORT HOLDING TIME OF
$Cr^{+6}$ $NO_2$ $NO_3$ SS
DO $Cl_2$ BOD MBAS COT

CHK BY

DISTRIBUTION
SUB-OUT

**Billing** ☒ Same as above
Client:
Address:
City: State Zip
Attn:
PO#:

EDF Required? Geotracker ☒ Yes ☐ No

Send Copy to State of CA? (EDT) ☐ Yes ☒ No

Global ID (Needed for EDF)

System # (Needed for EDT)

| | Relinquished By | Date | Time | Received By | Date | Time |
|---|---|---|---|---|---|---|
| 1. | [signature] | 8/13/14 | 1700 | [signature] | 8/14/14 | 1220 |
| 2. | [signature] | 8/14/14 | 1715 | [signature] | 8/14/14 | 1715 |
| 3. | | | | | | |

BC Laboratories, Inc. – 4100 Atlas Ct. – Bakersfield, CA 93308 – 661.327.4911 – Fax: 661.327.1918 – www.bclabs.com

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C. ain of Custo) V an) Cooler Re( eipt 6orm for 14189- 8 hace 5 of Q

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 17 06/05/14 Page 1 Of 2

Submission #: 14.18798

**SHIPPING INFORMATION**
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

**FREE LIQUID**
YES ☐ NO ☐

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: Amber Thermometer ID: 207 Date/Time 8-14-14 1715
Temperature: (A) 0.3 °C / (C) 0.4 °C Analyst Init M

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT GENERAL MINERAL/ GENERAL | | B | | | | | | | | |
| ~~PT~~ PE UNPRESERVED 8oz | B | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT INORGANIC CHEMICAL METALS | | C | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT TOX | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | A:3 | A:3 | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) |
| QT EPA 413.1, 413.2, 418.1 | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608/8080 | | | | | | | | | | |
| QT EPA 515.1/8150 | | | | | | | | | | |
| QT EPA 525 | | | | | | | | | | |
| QT EPA 525 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz Amber EPA 548 | | | | | | | | | | |
| QT EPA 549 | | | | | | | | | | |
| QT EPA 632 | | | | | | | | | | |
| QT EPA ~~8015M~~ 8270 | | GH | | | | | | | | |
| QT AMBER | | DEF | | | | | | | | |
| 8 OZ. JAR | | | | | | | | | | |
| 32 OZ. JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| Summa Canister | | | | | | | | | | |

Comments:
Sample Numbering Completed By: M Date/Time: 8-14-14 1940 [S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC16
A = Actual / C = Corrected

C. ain of Custo) V an) Cooler Re( eipt 6orm for 14189- 8 hace Qof Q

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 17 06/05/14 Page 2 Of 2

Submission #: 14-18798

| SHIPPING INFORMATION | SHIPPING CONTAINER | FREE LIQUID |
|---|---|---|
| Federal Express ☐ UPS ☐ Hand Delivery ☐<br>BC Lab Field Service ☒ Other ☐ (Specify)_____ | Ice Chest ☒ None ☐ Box ☐<br>Other ☐ (Specify)_____ | YES ☐ NO ☐ |

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: Amber Thermometer ID: 207 Date/Time 8-14-14 1715

Temperature: (A) 1.6 °C / (C) 1.7 °C Analyst Init M

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT GENERAL MINERAL/ GENERAL | | | | | B | | | | | |
| ~~PT~~ PE UNPRESERVED 8OZ | | | B | B | | B | B | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT INORGANIC CHEMICAL METALS | | | | | C | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT TOX | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | A2 | |
| 40ml VOA VIAL | ( ) | ( ) | A3 | A3 | A3 | A3 | A3 | A2 | ( ) | ( ) |
| QT EPA 413.1, 413.2, 418.1 | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608/8080 | | | | | | | | | | |
| QT EPA 515.1/8150 | | | | | | | | | | |
| QT EPA 525 | | | | | | | | | | |
| QT EPA 525 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz Amber EPA 548 | | | | | | | | | | |
| QT EPA 549 | | | | | | | | | | |
| QT EPA 632 | | | | | | | | | | |
| QT EPA ~~8015M~~ 8270 | | | | | GH DEP | | | | | |
| QT AMBER | | | | | | | | | | |
| 8 OZ. JAR | | | | | | | | | | |
| 32 OZ. JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| Summa Canister | | | | | | | | | | |

:omments:_____

:ample Numbering Completed By: M Date/Time 8-14-14 1945 [S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC16

\ = Actual / C = Corrected

A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| 14189-80N1 | Cg C Aumber: | Hh | Re( eive Wate: | 02/14/J014 1. :13 |
| | hroje( t Aumber: | Hh | Samplinc Wate: | 02/1O/J014 10:C8 |
| | Samplinc Lo( ation: | Hh | Sample Wept. : | Hh |
| | Samplinc hoint: | dV8hJ | Lab d atriD: | C ater |
| | Sample) EV: | Hh | Sample TVpe: | A ro, n75 ater |
| 14189-80N5 | Cg C Aumber: | Hh | Re( eive Wate: | 02/14/J014 1. :13 |
| | hroje( t Aumber: | Hh | Samplinc Wate: | 02/1O/J014 1Q:42 |
| | Samplinc Lo( ation: | Hh | Sample Wept. : | Hh |
| | Samplinc hoint: | dV8h4 | Lab d atriD: | C ater |
| | Sample) EV: | Hh | Sample TVpe: | A ro, n75 ater |
| | | | ; etal 8 nalysis: | 1hdiel7 diltere7 an7 8 ci7ifie7 |
| 14189-80NQ | Cg C Aumber: | Hh | Re( eive Wate: | 02/14/J014 1. :13 |
| | hroje( t Aumber: | Hh | Samplinc Wate: | 02/1O/J014 13:13 |
| | Samplinc Lo( ation: | Hh | Sample Wept. : | Hh |
| | Samplinc hoint: | KHhJ | Lab d atriD: | C ater |
| | Sample) EV: | Hh | Sample TVpe: | A ro, n75 ater |
| 14189-80N4 | Cg C Aumber: | Hh | Re( eive Wate: | 02/14/J014 1. :13 |
| | hroje( t Aumber: | Hh | Samplinc Wate: | 02/1O/J014 09:J3 |
| | Samplinc Lo( ation: | Hh | Sample Wept. : | Hh |
| | Samplinc hoint: | Kh3 | Lab d atriD: | C ater |
| | Sample) EV: | Hh | Sample TVpe: | A ro, n75 ater |
| 14189-80N7 | Cg C Aumber: | Hh | Re( eive Wate: | 02/14/J014 1. :13 |
| | hroje( t Aumber: | Hh | Samplinc Wate: | 02/1O/J014 1V:13 |
| | Samplinc Lo( ation: | Hh | Sample Wept. : | Hh |
| | Samplinc hoint: | K. h4 | Lab d atriD: | C ater |
| | Sample) EV: | Hh | Sample TVpe: | A ro, n75 ater |
| | | | ; etal 8 nalysis: | 1hdiel7 diltere7 an7 8 ci7ifie7 |
| 14189-80N2 | Cg C Aumber: | Hh | Re( eive Wate: | 02/14/J014 1. :13 |
| | hroje( t Aumber: | Hh | Samplinc Wate: | 02/1O/J014 10:C9 |
| | Samplinc Lo( ation: | Hh | Sample Wept. : | Hh |
| | Samplinc hoint: | K12hu | Lab d atriD: | C ater |
| | Sample) EV: | Hh | Sample TVpe: | A ro, n75 ater |

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| | |
|---|---|
| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) :** 09/02/J014 11:0V<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Ch0100<br>Wrolect ; anager: Gason Sapp |

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| **14189-80N9** | **Cg C Aumber:** | Hh | **Re( eive Wate:** | 02/14/J014 1. :13 |
| | **hroje( t Aumber:** | Hh | **Samplinc Wate:** | 02/1O/J014 11:00 |
| | **Samplinc Lo( ation:** | Hh | **Sample Wept. :** | Hh |
| | **Samplinc hoint:** | K12HPJ | **Lab d atriD:** | C ater |
| | **Sample) EV:** | Hh | **Sample TVpe:** | Aro, n75 ater |
| **14189-80N8** | **Cg C Aumber:** | Hh | **Re( eive Wate:** | 02/14/J014 1. :13 |
| | **hroje( t Aumber:** | Hh | **Samplinc Wate:** | 02/1O/J014 00:00 |
| | **Samplinc Lo( ation:** | Hh | **Sample Wept. :** | Hh |
| | **Samplinc hoint:** | QP8u | **Lab d atriD:** | C ater |
| | **Sample) EV:** | Hh | **Sample TVpe:** | C ater |
| **14189-80N-** | **Cg C Aumber:** | Hh | **Re( eive Wate:** | 02/14/J014 1. :13 |
| | **hroje( t Aumber:** | Hh | **Samplinc Wate:** | 02/1O/J014 00:00 |
| | **Samplinc Lo( ation:** | Hh | **Sample Wept. :** | Hh |
| | **Samplinc hoint:** | QPTu | **Lab d atriD:** | C ater |
| | **Sample) EV:** | Hh | **Sample TVpe:** | ulanI C ater |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h01 | **Client Sample Aame:** dV8hJj 2/1OJ014 10:O3:008;

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen6ene | KD | , g/L | 0E30 | 0E02O | EW8r3J4B | KD | | 1 |
| uromoben6ene | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8r3J4B | KD | | 1 |
| nhu, tylben6ene | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| sechu, tylben6ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| terthu, tylben6ene | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| Pzloroben6ene | KD | , g/L | 0E30 | 0E09O | EW8r3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| Pzloroform | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8r3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jJhDibromohOhczloropropane | KD | , g/L | 1E0 | 0E14 | EW8r3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E1V | EW8r3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloroben6ene | KD | , g/L | 0E30 | 0E0. J | EW8r3J4B | KD | | 1 |
| 1jOhDiczloroben6ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1j4hDiczloroben6ene | KD | , g/L | 0E30 | 0E0VJ | EW8r3J4B | KD | | 1 |
| Diczloro7ifl, orometzane | KD | , g/L | 0E30 | 0E099 | EW8r3J4B | KD | | 1 |
| 1j1hDiczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| 1j1hDiczloroetzene | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8r3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jOhDiczloropropane | KD | , g/L | 0E30 | 0E02V | EW8r3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8r3J4B | KD | | 1 |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Wercclorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h01 | **Client Sample Aame:** dV8hJj 2/1O/J014 10:O3:008;

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jOhDiczloropropene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| transh1jOhDiczloropropene | KD | , g/L | 0E30 | 0E0. 9 | EW8h3J4B | KD | | 1 |
| Etzylben6ene | KD | , g/L | 0E30 | 0E092 | EW8h3J4B | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| Mopropylben6ene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| ; etzylene czlori7e | KD | , g/L | 0E30 | 0E42 | EW8h3J4B | KD | | 1 |
| ; etzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Kapztzalene | KD | , g/L | 0E30 | 0E0V | EW8h3J4B | KD | | 1 |
| nhWopylben6ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Styrene | KD | , g/L | 0E30 | 0E0V2 | EW8h3J4B | KD | | 1 |
| 1j1j1jJhTetraczloroetzane | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| 1j1jJjJhTetraczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| **Tetra( . loroet. ene** | **N'O5** | **uc/L** | **N'7N** | **N'1Q** | **Mh3 0754'5** | KD | **J** | 1 |
| Tol, ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| 1jJjOhTriczloroben6ene | KD | , g/L | 0E30 | 0E1V | EW8h3J4B | KD | | 1 |
| 1jJj4hTriczloroben6ene | KD | , g/L | 0E30 | 0E19 | EW8h3J4B | KD | | 1 |
| 1j1j1hTriczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczloroetzane | KD | , g/L | 0E30 | 0E1V | EW8h3J4B | KD | | 1 |
| **Tri( . loroet. ene** | **N'52** | **uc/L** | **N'7N** | **N'N87** | **Mh3 0754'5** | KD | **J** | 1 |
| Triczlorofl, orometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJjOhTriczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczloroh1jJjJhtrifl, oroetzane | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJj4hTrimetzylben6ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 1jOj3hTrimetzylben6ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 8cetone | KD | , g/L | 10 | 4EV | EW8h3J4B | KD | | 1 |
| 8crylonitrile | KD | , g/L | 3E0 | 1E | EW8h3J4B | KD | U11 | 1 |
| 8llyl czlori7e | KD | , g/L | 3E0 | 0E20 | EW8h3J4B | KD | | 1 |
| th8myl ; etzyl etzer | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9E4 | EW8h3J4B | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1E0 | 0E02 | EW8h3J4B | KD | | 1 |
| transh1j4hDiczlorohJhb, tene | KD | , g/L | 3E0 | 1E4 | EW8h3J4B | KD | | 1 |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis RMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h01 | **Client Sample Aame:** dV8hJj 2/1O/J014 10:O3:008;

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4B0 | 0B9. | EW8h3J4B3 | KD | | 1 |
| Etzyl tlb, tyl etzer | KD | , g/L | 0B30 | 0B12 | EW8h3J4B3 | KD | | 1 |
| JhHexanone | KD | , g/L | 10 | OB4 | EW8h3J4B3 | KD | | 1 |
| ; etzacrylonitrile | KD | , g/L | 10 | 1B | EW8h3J4B3 | KD | | 1 |
| ; etzyl etzyl I etone | KD | , g/L | 10 | JB3 | EW8h3J4B3 | KD | | 1 |
| ; etzyl io7i7e | KD | , g/L | JB0 | 0B4. | EW8h3J4B3 | KD | | 1 |
| ; etzyl isob, tyl I etone | KD | , g/L | 10 | JB1 | EW8h3J4B3 | KD | | 1 |
| ; etzyl metzacrylate | KD | , g/L | 3B0 | 1B3 | EW8h3J4B3 | KD | | 1 |
| Kitroben6ene | KD | , g/L | O0 | 1O | EW8h3J4B3 | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JB0 | 0B4O | EW8h3J4B3 | KD | | 1 |
| Wropionitrile | KD | , g/L | J0 | 4B3 | EW8h3J4B3 | KD | | 1 |
| Tetrazy7rof, ran | KD | , g/L | J0 | 3B3 | EW8h3J4B3 | KD | | 1 |
| ph& mhwylenes | KD | , g/L | 0B30 | 0B12 | EW8h3J4B3 | KD | | 1 |
| ohwylene | KD | , g/L | 0B30 | 0B02J | EW8h3J4B3 | KD | | 1 |
| 1jJhDiczloroetzaneh74 FS, rrogateX | 109 | % | . 3 h1J3 FLPL h) PLX | | EW8h3J4B3 | | | 1 |
| Tol, eneh72 FS, rrogateX | 9. B3 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4B3 | | | 1 |
| 4hu romofl, oroben6ene FS, rrogateX | 2JB7 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4B3 | | | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wlution | v C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8h3J4B3 | 02/19/14 | 02/19/14 1O.03 | GPP | ; SHU14 | 1 | uwH1340 |

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Wrolect K, mber: J01Cr0100
Wrolect ; anager: Gason Sapp

# G ater 3 nalVsis PF eneral C. emistrVH

**ECL Sample IW:** 1412. 92r01 | **Client Sample Aame:** dV8hJj 2/1O/J014 10:O3:008;

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Werczlorate | KD | , g/L | 4E0 | 0E43 | EW8hO14E0 | KD | | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wilution | y C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8hO14E0 | 09/04/14 | 09/03/14 03:4V | LD1 | MPV | 1 | uwW043V |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Wercclorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h0J | **Client Sample Aame:** dV8h4j 2/1OJ014 1:42:00W

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen6ene | KD | , g/L | 0E30 | 0E02O | EW8r3J4B | KD | | 1 |
| uromoben6ene | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8r3J4B | KD | | 1 |
| nhu, tylben6ene | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| sechu, tylben6ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| terthu, tylben6ene | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| Pzloroben6ene | KD | , g/L | 0E30 | 0E09O | EW8r3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| Pzloroform | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8r3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jJhDibromohOhczloropropane | KD | , g/L | 1E0 | 0E14 | EW8r3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E1V | EW8r3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloroben6ene | KD | , g/L | 0E30 | 0E0. J | EW8r3J4B | KD | | 1 |
| 1jOhDiczloroben6ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1j4hDiczloroben6ene | KD | , g/L | 0E30 | 0E0VJ | EW8r3J4B | KD | | 1 |
| Diczloro7ifl, orometzane | KD | , g/L | 0E30 | 0E099 | EW8r3J4B | KD | | 1 |
| 1j1hDiczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| 1j1hDiczloroetzene | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8r3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jOhDiczloropropane | KD | , g/L | 0E30 | 0E02V | EW8r3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8r3J4B | KD | | 1 |

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A eologic 8 ssociates
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Plaremontj P8 91. 11

**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Wercclorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h0J | **Client Sample Aame:** dV8h4j 2/1OJ014 1:42:00W

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jOhDiczloropropene | KD | , g/L | 0B30 | 0B14 | EW8h3J4B | KD | | 1 |
| transh1jOhDiczloropropene | KD | , g/L | 0B30 | 0B0. 9 | EW8h3J4B | KD | | 1 |
| Etzylben6ene | KD | , g/L | 0B30 | 0B092 | EW8h3J4B | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0B30 | 0B1. | EW8h3J4B | KD | | 1 |
| Mopropylben6ene | KD | , g/L | 0B30 | 0B14 | EW8h3J4B | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0B30 | 0B1J | EW8h3J4B | KD | | 1 |
| ; etzylene czlori7e | KD | , g/L | 0B30 | 0B42 | EW8h3J4B | KD | | 1 |
| ; etzyl thb, tyl etzer | KD | , g/L | 0B30 | 0B11 | EW8h3J4B | KD | | 1 |
| Kapztzalene | KD | , g/L | 0B30 | 0B0V | EW8h3J4B | KD | | 1 |
| nhWopylben6ene | KD | , g/L | 0B30 | 0B11 | EW8h3J4B | KD | | 1 |
| Styrene | KD | , g/L | 0B30 | 0B0V2 | EW8h3J4B | KD | | 1 |
| 1j1j1jJhTetraczloroetzane | KD | , g/L | 0B30 | 0B12 | EW8h3J4B | KD | | 1 |
| 1j1jJjJhTetraczloroetzane | KD | , g/L | 0B30 | 0B1. | EW8h3J4B | KD | | 1 |
| **Tetra( . loroet. ene** | **Q4** | **uc/L** | **N7N** | **N1Q** | **Mh3 0754'5** | KD | | 1 |
| Tol, ene | KD | , g/L | 0B30 | 0B09O | EW8h3J4B | KD | | 1 |
| 1jJjOhTriczloroben6ene | KD | , g/L | 0B30 | 0B1V | EW8h3J4B | KD | | 1 |
| 1jJj4hTriczloroben6ene | KD | , g/L | 0B30 | 0B19 | EW8h3J4B | KD | | 1 |
| 1j1j1hTriczloroetzane | KD | , g/L | 0B30 | 0B11 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczloroetzane | KD | , g/L | 0B30 | 0B1V | EW8h3J4B | KD | | 1 |
| **Tri( . loroet. ene** | **- 'Q** | **uc/L** | **N7N** | **NN87** | **Mh3 0754'5** | KD | | 1 |
| **Tri( . lorofluoromet. ane** | **NQ1** | **uc/L** | **N7N** | **N1Q** | **Mh3 0754'5** | KD | J | 1 |
| 1jJjOhTriczloropropane | KD | , g/L | 1B0 | 0B14 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczlorohjJjJhtrifl, oroetzane | KD | , g/L | 0B30 | 0B13 | EW8h3J4B | KD | | 1 |
| 1jJj4hTrimetzylben6ene | KD | , g/L | 0B30 | 0B1J | EW8h3J4B | KD | | 1 |
| 1jOj3hTrimetzylben6ene | KD | , g/L | 0B30 | 0B1J | EW8h3J4B | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0B30 | 0B1J | EW8h3J4B | KD | | 1 |
| 8cetone | KD | , g/L | 10 | 4BV | EW8h3J4B | KD | | 1 |
| 8crylonitrile | KD | , g/L | 3B0 | 1B | EW8h3J4B | KD | U11 | 1 |
| 8llyl czlori7e | KD | , g/L | 3B0 | 0B20 | EW8h3J4B | KD | | 1 |
| thB myl ; etzyl etzer | KD | , g/L | 0B30 | 0B13 | EW8h3J4B | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9B4 | EW8h3J4B | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1B0 | 0B02 | EW8h3J4B | KD | | 1 |
| transh1j4hDiczlorohJhb, tene | KD | , g/L | 3B0 | 1B4 | EW8h3J4B | KD | | 1 |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis RMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h0J | **Client Sample Aame:** dV8h4j 2/1OJ014 1:42:00W

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4B0 | 0B9. | EW8h3J4B | KD | | 1 |
| Etzyl tlb, tyl etzer | KD | , g/L | 0B30 | 0B12 | EW8h3J4B | KD | | 1 |
| JhHexanone | KD | , g/L | 10 | OB4 | EW8h3J4B | KD | | 1 |
| ; etzacrylonitrile | KD | , g/L | 10 | 1B | EW8h3J4B | KD | | 1 |
| ; etzyl etzyl I etone | KD | , g/L | 10 | JB3 | EW8h3J4B | KD | | 1 |
| ; etzyl io7i7e | KD | , g/L | JB0 | 0B4. | EW8h3J4B | KD | | 1 |
| ; etzyl isob, tyl I etone | KD | , g/L | 10 | JB1 | EW8h3J4B | KD | | 1 |
| ; etzyl metzacrylate | KD | , g/L | 3B0 | 1B3 | EW8h3J4B | KD | | 1 |
| Kitroben6ene | KD | , g/L | O0 | 1O | EW8h3J4B | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JB0 | 0B4O | EW8h3J4B | KD | | 1 |
| Wropionitrile | KD | , g/L | J0 | 4B | EW8h3J4B | KD | | 1 |
| Tetrazy7rof, ran | KD | , g/L | J0 | 3B | EW8h3J4B | KD | | 1 |
| ph& mhwylenes | KD | , g/L | 0B30 | 0B12 | EW8h3J4B | KD | | 1 |
| ohwylene | KD | , g/L | 0B30 | 0B02J | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroetzaneh74 FS, rrogateX | 113 | % | . 3 h1J3 FLPL h) PLX | | EW8h3J4B | | | 1 |
| Tol, eneh72 FS, rrogateX | 99B | % | 20 h1J0 FLPL h) PLX | | EW8h3J4B | | | 1 |
| 4hu romofl, oroben6ene FS, rrogateX | 2OB4 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4B | | | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wlution | v C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8h3J4B | 02/19/14 | 02/19/14 1OJ2 | GPP | ; SHU14 | 1 | uwH1340 |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
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Wrolect ; anager: Gason Sapp

# g rcano( . lorine hesti( i) es an) hCExs RMh3 d et. o) 8N8NH

**ECL Sample IW:** 1412. 92h0J | **Client Sample Aame:** dV8h4j 2/1CJ014 1:42:00W,

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| 8I7rin | KD | , g/L | 0E0030 | 0E0010 | EW8h2020 | KD | | 1 |
| alpzahu HP | KD | , g/L | 0E0030 | 0E0011 | EW8h2020 | KD | | 1 |
| betahu HP | KD | , g/L | 0E0030 | 0E00J1 | EW8h2020 | KD | | 1 |
| 7eltahu HP | KD | , g/L | 0E0030 | 0E0014 | EW8h2020 | KD | | 1 |
| gammahu HP FLin7aneX | KD | , g/L | 0E0030 | 0E00094 | EW8h2020 | KD | | 1 |
| Pzlor7ane FTecznicalX | KD | , g/L | 0E30 | 0E02 | EW8h2020 | KD | | 1 |
| 4j4'hDDD | KD | , g/L | 0E0030 | 0E001. | EW8h2020 | KD | | 1 |
| 4j4'hDDE | KD | , g/L | 0E0030 | 0E0019 | EW8h2020 | KD | | 1 |
| 4j4'hDDT | KD | , g/L | 0E0030 | 0E000. V | EW8h2020 | KD | | 1 |
| Diel7rin | KD | , g/L | 0E0030 | 0E001J | EW8h2020 | KD | | 1 |
| En7os, lfan M | KD | , g/L | 0E0030 | 0E001V | EW8h2020 | KD | | 1 |
| En7os, lfan MM | KD | , g/L | 0E0030 | 0E0014 | EW8h2020 | KD | | 1 |
| En7os, lfan s, lfate | KD | , g/L | 0E0030 | 0E00JV | EW8h2020 | KD | | 1 |
| En7rin | KD | , g/L | 0E0030 | 0E0002J | EW8h2020 | KD | | 1 |
| En7rin al7ezy7e | KD | , g/L | 0E010 | 0E00QJ | EW8h2020 | KD | | 1 |
| Heptaczlor | KD | , g/L | 0E0030 | 0E001J | EW8h2020 | KD | | 1 |
| Heptaczlor epoxi7e | KD | , g/L | 0E0030 | 0E00099 | EW8h2020 | KD | | 1 |
| ; etzoxyczlor | KD | , g/L | 0E0030 | 0E0011 | EW8h2020 | KD | | 1 |
| Toxapzene | KD | , g/L | JE0 | 0E4J | EW8h2020 | KD | | 1 |
| WPuh101V | KD | , g/L | 0E30 | 0E043 | EW8h2020 | KD | | 1 |
| WPuh1JJ1 | KD | , g/L | 0E30 | 0E0. 0 | EW8h2020 | KD | | 1 |
| WPuh1JQJ | KD | , g/L | 0E30 | 0E021 | EW8h2020 | KD | | 1 |
| WPuh1J4J | KD | , g/L | 0E30 | 0E0V3 | EW8h2020 | KD | | 1 |
| WPuh1J42 | KD | , g/L | 0E30 | 0E023 | EW8h2020 | KD | | 1 |
| WPuh1J34 | KD | , g/L | 0E30 | 0E0. . | EW8h2020 | KD | | 1 |
| WPuh1JV0 | KD | , g/L | 0E30 | 0E0V0 | EW8h2020 | KD | | 1 |
| Total WPu's FS, mmationX | KD | , g/L | 0E30 | 0E10 | EW8h2020 | KD | | 1 |
| TP; w FS, rrogateX | 111 | % | 40 h140 FLPL h) PLX | | EW8h2020 | | | 1 |
| Decaczlorobipzenyl FS, rrogateX | 2. E3 | % | 40 h1J0 FLPL h) PLX | | EW8h2020 | | | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wilution | v C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8h2020 | 02/J0/14 | 02/JC/14 J1:J2 | UH1 | APh14 | 1 | uwHJ303 |

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| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) :** 09/02/J014 11:0V<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Ch0100<br>Wrolect ; anager: Gason Sapp |

# g rcanoCh. osp. orus hesti( i) e 3 nalVsis FMh3 d et. o) 8141EH

| **ECL Sample IW:** 1412. 92h0J | **Client Sample Aame:** dV8h4j 2/1CJ014 1:42:00W |
|---|---|

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| 86inpzos metzyl | KD | , g/L | 0B0 | 0B33 | EW8h2141u | KD | | 1 |
| uolstar | KD | , g/L | 0B0 | 0B33 | EW8h2141u | KD | | 1 |
| Pzlorpyrifos | KD | , g/L | 0B0 | 0B10 | EW8h2141u | KD | | 1 |
| Po, mapzos | KD | , g/L | 0B0 | 0B34 | EW8h2141u | KD | | 1 |
| Demeton q /S | KD | , g/L | 0B0 | 0BJV | EW8h2141u | KD | | 1 |
| Dia6inon | KD | , g/L | 0B0 | 0B44 | EW8h2141u | KD | | 1 |
| Diczlorvos | KD | , g/L | 0B0 | 0B. 0 | EW8h2141u | KD | | 1 |
| Dis, lfoton | KD | , g/L | 0B0 | 0BC9 | EW8h2141u | KD | | 1 |
| Etzoprop | KD | , g/L | 0B0 | 0BJ3 | EW8h2141u | KD | | 1 |
| dens, lfotzion | KD | , g/L | 0B0 | 0B22 | EW8h2141u | KD | | 1 |
| dentzion | KD | , g/L | 0B0 | 0BCC | EW8h2141u | KD | | 1 |
| ; erpzos | KD | , g/L | 0B0 | 0B32 | EW8h2141u | KD | | 1 |
| ; etzyl paratzion | KD | , g/L | 0B0 | 0B. 4 | EW8h2141u | KD | | 1 |
| ; evinpzos | KD | , g/L | 0B0 | 0B3O | EW8h2141u | KD | | 1 |
| Kale7 | KD | , g/L | 0B0 | 0B. J | EW8h2141u | KD | | 1 |
| Wzorate | KD | , g/L | 0B0 | 0B41 | EW8h2141u | KD | | 1 |
| Ronnel FdenczlorpzosX | KD | , g/L | 0B0 | 0BV. | EW8h2141u | KD | | 1 |
| Stiropzos FTetraczlorvinpzosX | KD | , g/L | 0B0 | 0B4V | EW8h2141u | KD | | 1 |
| Tol , tzion FWotziofosX | KD | , g/L | 0B0 | 0BCJ | EW8h2141u | KD | | 1 |
| Triczloronate | KD | , g/L | 0B0 | 0BC2 | EW8h2141u | KD | | 1 |
| Tripzenylpzospzate FS, rrogateX | 10. | % | 30 h140 FLPL h) PLX | | EW8h2141u | | | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wlution | y C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8h2141u | 02/1. /14 | 02/J0/14 J1:JJ | ; ( 1 | APh | 1 | uwH1. V4 |

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Wrolect ; anager: Gason Sapp

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**ECL Sample IW:** 1412. 92h0J | **Client Sample Aame:** dV8h4j 2/1C/J014 1:42:00W,

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Jj4hD | KD | , g/L | 0E40 | 0E0V3 | EW8h21318 | KD | | 1 |
| Jj4hDu | KD | , g/L | CE0 | 0E0J | EW8h21318 | KD | | 1 |
| Dalapon | KD | , g/L | 10 | JE4 | EW8h21318 | KD | | 1 |
| Dicamba | KD | , g/L | 0E020 | 0E0C | EW8h21318 | KD | | 1 |
| Diczloroprop | KD | , g/L | 0E30 | 0E01J | EW8h21318 | KD | | 1 |
| Dinoseb | KD | , g/L | 0E10 | 0E040 | EW8h21318 | KD | | 1 |
| Jj4j3hT | KD | , g/L | 0E090 | 0E01J | EW8h21318 | KD | | 1 |
| Jj4j3hTWFSilvexX | KD | , g/L | 0E0. 0 | 0E01V | EW8h21318 | KD | | 1 |
| Jj4hDiczloropzenylacetic aci7 FS, rrogateX | 33E3 | % | C0 h140 FLPL h) PLX | | EW8h21318 | | | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wlution | v C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8h21318 | 02/J0/14 | 02/JC/14 J1:J2 | UH1 | APh14 | 1 | uwHJC4. |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Ease Aeutral an) 3 ( i) MDtra( tables g rcani( 3 nalVsis RMh3 d et. o) 859NCH

**ECL Sample IW:** 1412. 92h0J | **Client Sample Aame:** dV8h4j 2/1CJ014 1:42:00W,

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| 8cenapztzene | KD | , g/L | JE0 | 0E34 | EW8h2J. 0P | KD | | 1 |
| 8cenapztzylene | KD | , g/L | JE0 | 0E32 | EW8h2J. 0P | KD | | 1 |
| 8I7rin | KD | , g/L | JE0 | 0E03 | EW8h2J. 0P | KD | | 1 |
| 8niline | KD | , g/L | 3E0 | 0E39 | EW8h2J. 0P | KD | | 1 |
| 8ntzracene | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| uen6i7ine | KD | , g/L | J0 | . E1 | EW8h2J. 0P | KD | | 1 |
| uen6o[a]antzracene | KD | , g/L | JE0 | 0E02 | EW8h2J. 0P | KD | | 1 |
| uen6o[b]fl, orantzene | KD | , g/L | JE0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| uen6o[I ]fl, orantzene | KD | , g/L | JE0 | 0E01 | EW8h2J. 0P | KD | | 1 |
| uen6o[a]pyrene | KD | , g/L | JE0 | 0E30 | EW8h2J. 0P | KD | | 1 |
| uen6o[gjzji]perylene | KD | , g/L | JE0 | 0E3J | EW8h2J. 0P | KD | | 1 |
| uen6oic aci7 | KD | , g/L | 10 | 3E2 | EW8h2J. 0P | KD | | 1 |
| uen6yl alcozol | KD | , g/L | JE0 | 0E04 | EW8h2J. 0P | KD | | 1 |
| uen6yl b, tyl pztzalate | KD | , g/L | JE0 | 0E4. | EW8h2J. 0P | KD | | 1 |
| alpzahu HP | KD | , g/L | JE0 | 0E3. | EW8h2J. 0P | KD | | 1 |
| betahu HP | KD | , g/L | JE0 | 0E3. | EW8h2J. 0P | KD | | 1 |
| 7eltahu HP | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| gammahu HP FLin7aneX | KD | , g/L | JE0 | 0E3J | EW8h2J. 0P | KD | | 1 |
| bisFJhPzloroetzoxyXmetzane | KD | , g/L | JE0 | 0E3. | EW8h2J. 0P | KD | | 1 |
| bisFJhPzloroetzylXetzer | KD | , g/L | JE0 | 0E32 | EW8h2J. 0P | KD | | 1 |
| bisFJhPzloroisopropylXetzer | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| bisFJhEtzylzexylXpztzalate | KD | , g/L | 3E0 | OE0 | EW8h2J. 0P | KD | | 1 |
| 4hu romopzenyl pzenyl etzer | KD | , g/L | JE0 | 0E3O | EW8h2J. 0P | KD | | 1 |
| 4hPzloroaniline | KD | , g/L | JE0 | 0E39 | EW8h2J. 0P | KD | | 1 |
| JhPzloronapztzalene | KD | , g/L | JE0 | 0E04 | EW8h2J. 0P | KD | | 1 |
| 4hPzloropzenyl pzenyl etzer | KD | , g/L | JE0 | 0E3O | EW8h2J. 0P | KD | | 1 |
| Pzrysene | KD | , g/L | JE0 | 0E3O | EW8h2J. 0P | KD | | 1 |
| 4j4'hDDD | KD | , g/L | JE0 | 0E42 | EW8h2J. 0P | KD | | 1 |
| 4j4'hDDE | KD | , g/L | OE0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| 4j4'hDDT | KD | , g/L | JE0 | 0E4O | EW8h2J. 0P | KD | | 1 |
| Diben6o[ajz]antzracene | KD | , g/L | OE0 | 0E3V | EW8h2J. 0P | KD | | 1 |
| Diben6of, ran | KD | , g/L | JE0 | 0E31 | EW8h2J. 0P | KD | | 1 |
| 1jJhDiczloroben6ene | KD | , g/L | JE0 | 0E0. | EW8h2J. 0P | KD | | 1 |

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Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Ease Aeutral an) 3 ( i) MDtra( tables g rcani( 3 nalVsis RMh3 d et. o) 859NCH

**ECL Sample IW:** 1412. 92h0J | **Client Sample Aame:** dV8h4j 2/1CJ014 1:42:00W,

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| 1jCHDiczloroben6ene | KD | , g/L | JE0 | 0E03 | EW8h2J. 0P | KD | | 1 |
| 1j4HDiczloroben6ene | KD | , g/L | JE0 | 0E01 | EW8h2J. 0P | KD | | 1 |
| CjCHDiczloroben6i7ine | KD | , g/L | 10 | 2E | EW8h2J. 0P | KD | | 1 |
| Diel7rin | KD | , g/L | CE0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| Dietzyl pztzalate | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| Dimetzyl pztzalate | KD | , g/L | JE0 | 0E09 | EW8h2J. 0P | KD | | 1 |
| Dihmhb, tyl pztzalate | KD | , g/L | JE0 | 0E09 | EW8h2J. 0P | KD | | 1 |
| Jj4HDinitrotol, ene | KD | , g/L | JE0 | 0E1V | EW8h2J. 0P | KD | | 1 |
| JjVHDinitrotol, ene | KD | , g/L | JE0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| Dihmhoctyl pztzalate | KD | , g/L | JE0 | 0E4V | EW8h2J. 0P | KD | | 1 |
| 1jJHDipzenylzy7ra6ine | KD | , g/L | JE0 | 0E04 | EW8h2J. 0P | KD | | 1 |
| En7os, lfan M | KD | , g/L | 10 | 1B | EW8h2J. 0P | KD | | 1 |
| En7os, lfan MM | KD | , g/L | 10 | 1E | EW8h2J. 0P | KD | | 1 |
| En7os, lfan s, lfate | KD | , g/L | CE0 | 0E32 | EW8h2J. 0P | KD | | 1 |
| En7rin | KD | , g/L | JE0 | 1E | EW8h2J. 0P | KD | | 1 |
| En7rin al7ezy7e | KD | , g/L | 10 | 0E3J | EW8h2J. 0P | KD | | 1 |
| dI, orantzene | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| dI, orene | KD | , g/L | JE0 | 0E12 | EW8h2J. 0P | KD | | 1 |
| Heptaczlor | KD | , g/L | JE0 | 0E0J | EW8h2J. 0P | KD | | 1 |
| Heptaczlor epoxi7e | KD | , g/L | JE0 | 0E1. | EW8h2J. 0P | KD | | 1 |
| Hexaczloroben6ene | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | JE0 | 0E14 | EW8h2J. 0P | KD | | 1 |
| Hexaczlorocyclopenta7iene | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| Hexaczloroetzane | KD | , g/L | JE0 | 0E0J | EW8h2J. 0P | KD | | 1 |
| M7eno[1jJjCHc7]pyrene | KD | , g/L | JE0 | 0E1V | EW8h2J. 0P | KD | | 1 |
| Mlopzorone | KD | , g/L | JE0 | 0E01 | EW8h2J. 0P | KD | | 1 |
| JH, etzylnapztzalene | KD | , g/L | JE0 | 0E12 | EW8h2J. 0P | KD | | 1 |
| Kapztzalene | KD | , g/L | JE0 | 0E11 | EW8h2J. 0P | KD | | 1 |
| JHKapztzylamine | KD | , g/L | J0 | 4E2 | EW8h2J. 0P | KD | | 1 |
| JHKitroaniline | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| CHKitroaniline | KD | , g/L | JE0 | 0E1V | EW8h2J. 0P | KD | | 1 |
| 4HKitroaniline | KD | , g/L | 3E0 | 0E2. | EW8h2J. 0P | KD | | 1 |
| Kitroben6ene | KD | , g/L | JE0 | 0E1V | EW8h2J. 0P | KD | | 1 |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Ease Aeutral an) 3 ( i) MDtra( tables g rcani( 3 nalVsis RMh3 d et. o) 859NCH

**ECL Sample IW:** 1412. 92h0J | **Client Sample Aame:** dV8h4j 2/1CJ014 1:42:00W,

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| KhKitroso7imetzylamine | KD | , g/L | JE0 | 0E/1 | EW8h2J. 0P | KD | | 1 |
| KhKitroso7ihKhpropylamine | KD | , g/L | JE0 | 1E0 | EW8h2J. 0P | KD | | 1 |
| KhKitroso7ipzenylamine | KD | , g/L | JE0 | 0E44 | EW8h2J. 0P | KD | | 1 |
| Wzenantzrene | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| Wyrene | KD | , g/L | JE0 | 0EIV | EW8h2J. 0P | KD | | 1 |
| 1jJj4hTriczloroben6ene | KD | , g/L | JE0 | 0EI. | EW8h2J. 0P | KD | | 1 |
| 4hPzlorohOmetzylpzenol | KD | , g/L | 3E0 | 0E40 | EW8h2J. 0P | KD | | 1 |
| JhPzloropzenol | KD | , g/L | JE0 | 0E0 | EW8h2J. 0P | KD | | 1 |
| Jj4hDiczloropzenol | KD | , g/L | JE0 | 0E4O | EW8h2J. 0P | KD | | 1 |
| Jj4hDimetzylpzenol | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| 4jVhDinitrohJhmetzylpzenol | KD | , g/L | 10 | 0E04 | EW8h2J. 0P | KD | | 1 |
| Jj4hDinitropzenol | KD | , g/L | 10 | 0E10 | EW8h2J. 0P | KD | | 1 |
| Jh; etzylpzenol | KD | , g/L | JE0 | 1E0 | EW8h2J. 0P | KD | | 1 |
| Ch& 4h; etzylpzenol | KD | , g/L | JE0 | 1EV | EW8h2J. 0P | KD | | 1 |
| JhKitropzenol | KD | , g/L | JE0 | 0E12 | EW8h2J. 0P | KD | | 1 |
| 4hKitropzenol | KD | , g/L | JE0 | 0B O | EW8h2J. 0P | KD | | 1 |
| Wentaczloropzenol | KD | , g/L | 10 | 0B 9 | EW8h2J. 0P | KD | | 1 |
| Wzenol | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| Jj4j3hTriczloropzenol | KD | , g/L | 3E0 | 0E01 | EW8h2J. 0P | KD | | 1 |
| Jj4jVhTriczloropzenol | KD | , g/L | 3E0 | 0EV0 | EW8h2J. 0P | KD | | 1 |
| JhdI, oropzenol FS, rrogateX | VJE0 | % | C0 h1J0 FLPL h) PLX | | EW8h2J. 0P | | | 1 |
| Wzenolh73 FS, rrogateX | 3. E | % | 1J h110 FLPL h) PLX | | EW8h2J. 0P | | | 1 |
| Kitroben6enehi73 FS, rrogateX | 9CE | % | V0 h1C0 FLPL h) PLX | | EW8h2J. 0P | | | 1 |
| JhdI, orobipzenyl FS, rrogateX | 2CE9 | % | 33 h1J3 FLPL h) PLX | | EW8h2J. 0P | | | 1 |
| Jj4jVhTribromopzenol FS, rrogateX | 23B | % | 40 h130 FLPL h) PLX | | EW8h2J. 0P | | | 1 |
| phTerpzenylh714 FS, rrogateX | 104 | % | 40 h130 FLPL h) PLX | | EW8h2J. 0P | | | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wllution | y C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8h2J. 0P | 02/J0/14 | 02/J9/14 1V:09 | UH1 | ; ShuJ | 0E990 | uwHJV09 |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Cr0100
Wrolect ; anager: Gason Sapp

# AWd 3 RMh3 d et. o) 859NC0Sld H

**ECL Sample IW:** 1412. 92r0J | **Client Sample Aame:** dV8h4j 2/1C/J014 1:42:00W,

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| KrKitroso7imetzylamine | KD | , g/L | 0E010 | 0E00C0 | EW8r2J. 0PrSM KD; 8 | KD | | 1 |
| Kapztzalenehr72 FS, rrogateX | . 4E2 | % | V3 h14J FLPL h) PLX | | EW8r2J. 0PrSM KD; 8 | | | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wlution | v C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8r2J. 0PrSM KD; 8 | 02/J0/14 | 02/J. /14 00:0O | ; ( 1 | ; Shu4 | 0E930 | uwHJ3C9 |

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|---|---|
| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) :** 09/02/J014 11:0V<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Ch0100<br>Wrolect ; anager: Gason Sapp |

# G ater 3 nalVsis PF eneral C. emistrVH

| **ECL Sample IW:** 1412. 92h0J | **Client Sample Aame:** dV8h4j 2/1CJ014 1:42:00W, |
|---|---|

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Wssolve) Cal( ium** | **84** | **mc/L** | **N'1N** | **N'N12** | **Mh3 02N1NE** | KD | | 1 |
| **Wssolve) d acnesium** | **15** | **mc/L** | **N'N7N** | **N'N1-** | **Mh3 02N1NE** | 0B019 | | J |
| **Wssolve) So) ium** | **15** | **mc/L** | **N'7N** | **N'N71** | **Mh3 02N1NE** | 0B0V4 | | J |
| **Wssolve) hotassium** | **Q1** | **mc/L** | **1'N** | **N'1N** | **Mh3 02N1NE** | KD | | J |
| Hy7roxi7e | KD | mg/L | 1B4 | 1B4 | EW8hC10B1 | KD | | O |
| **Total 3 lkalinitV as CaCg Q** | **5NN** | **mc/L** | **4'1** | **4'1** | **Mh3 0Q1N'1** | KD | | O |
| **C. lori) e** | **1N** | **mc/L** | **N'7N** | **N'N29** | **Mh3 0QNN'N** | KD | | 4 |
| **Aitrate as A** | **2'7** | **mc/L** | **N'1N** | **N'N57** | **Mh3 0QNN'N** | KD | | 4 |
| **Sulfate** | **55** | **mc/L** | **1'N** | **N'18** | **Mh3 0QNN'N** | 0B01 | | 4 |
| **Wssolve) Bar) ness as CaCg Q** | **52N** | **mc/L** | **N'7N** | **N'1N** | **Cal(** | KD | | 3 |
| **Total Wssolve) Soli) s @ 18N C** | **Q1N** | **mc/L** | **5N** | **5N** | **Mh3 012N'1** | KD | | V |
| ; u8S | KD | mg/L | 0B10 | 0B013 | EW8h4J3B1 | KD | | . |
| **her( . lorate** | **5'-** | **uc/L** | **4'N** | **N'47** | **Mh3 0Q14'N** | KD | **J** | 2 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wilution | v C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8hV010u | 02/1C'14 | 02/J3/14 10:09 | 8RD | WEhq W1 | 1 | uwH19V. |
| J | EW8hV010u | 02/1C'14 | 02/J1/14 JJ:44 | 8RD | WEhq W1 | 1 | uwH19V. |
| O | EW8hC10B1 | 02/19/14 | 02/19/14 1V:1J | RLW | ; ETh1 | 1 | uwH1. OV |
| 4 | EW8hC00B0 | 02/13/14 | 02/13/14 10:33 | LD1 | NPJ | 1 | uwH1444 |
| 3 | Palc | 02/J0/14 | 02/J9/14 13:10 | T; S | Palc | 1 | uwH191. |
| V | EW8h1V0B1 | 02/J0/14 | 02/J0/14 11:13 | P8D | ; 8K) 8L | J | uwH190O |
| . | EW8h4J3B1 | 02/13/14 | 02/13/14 02:00 | G; K | ; 8K) 8L | 1 | uwH1C43 |
| 2 | EW8hC14B0 | 09/04/14 | 09/03/14 0V:J. | LD1 | NPV | 1 | uwW043V |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# d etals 3 nalVsis

**ECL Sample IW:** 1412. 92h0J | **Client Sample Aame:** dV8h4j 2/1O/J014 1:42:00W,

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Dissolve7 8ntimony | KD | , g/L | 100 | 4B9 | EW8hV010u | KD | | 1 |
| Dissolve7 8rsenic | KD | , g/L | 30 | 9B | EW8hV010u | KD | | 1 |
| **Wissolve) Earium** | **5-** | **uc/L** | **1N** | **Q7** | **Mh3 02N1NE** | KD | | 1 |
| Dissolve7 uerylli, m | KD | , g/L | 10 | 0B30 | EW8hV010u | KD | | 1 |
| Dissolve7 Pa7mi, m | KD | , g/L | 10 | 1B | EW8hV010u | KD | | 1 |
| Dissolve7 Pzromi, m | KD | , g/L | 10 | 1B0 | EW8hV010u | KD | | 1 |
| Dissolve7 Pobalt | KD | , g/L | 30 | 1B | EW8hV010u | KD | | 1 |
| **Wissolve) Copper** | **1'7** | **uc/L** | **1N** | **1'N** | **Mh3 02N1NE** | KD | **J** | 1 |
| **Wissolve) Lea)** | **2'1** | **uc/L** | **7N** | **Q7** | **Mh3 02N1NE** | 3B | **J** | 1 |
| **Wissolve) d er( urV** | **N'N77** | **uc/L** | **N'5N** | **N'NQQ** | **Mh3 0949N3** | 0B30 | **J** | J |
| **Wissolve) d olVb) enum** | **17** | **uc/L** | **7N** | **1'4** | **Mh3 02N1NE** | KD | **J** | 1 |
| Dissolve7 Kicl el | KD | , g/L | 10 | JB4 | EW8hV010u | KD | | O |
| **Wissolve) Selenium** | **59** | **uc/L** | **1NN** | **17** | **Mh3 02N1NE** | KD | **J** | O |
| Dissolve7 Silver | KD | , g/L | 10 | 1B | EW8hV010u | KD | | 1 |
| Dissolve7 Tzalli, m | KD | , g/L | 100 | 10 | EW8hV010u | KD | | 1 |
| Dissolve7 Uana7i, m | KD | , g/L | 10 | JB | EW8hV010u | KD | | 1 |
| Dissolve7 Zinc | KD | , g/L | 10 | 3B0 | EW8hV010u | KD | | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wilution | v C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8hV010u | 02/1O/14 | 02/J1/14 JJ:44 | 8RD | WEhq W1 | 1 | uwH19V. |
| J | EW8h 4. 08 | 02/12/14 | 02/12/14 1J:3V | ; EU | PET8P1 | 1 | uwH1349 |
| O | EW8hV010u | 02/1O/14 | 02/J3/14 10:09 | 8RD | WEhq W1 | 1 | uwH19V. |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h0O | **Client Sample Aame:** KHhJj 2/1OJ014 O13:00W

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen6ene | KD | , g/L | 0E30 | 0E02O | EW8h3J4B | KD | | 1 |
| uromoben6ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8h3J4B | KD | | 1 |
| nhu, tylben6ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| sechu, tylben6ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| terthu, tylben6ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| Pzloroben6ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| Pzloroform | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8h3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJhDibromohOhczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E1V | EW8h3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroben6ene | KD | , g/L | 0E30 | 0E0. J | EW8h3J4B | KD | | 1 |
| 1jOhDiczloroben6ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1j4hDiczloroben6ene | KD | , g/L | 0E30 | 0E0VJ | EW8h3J4B | KD | | 1 |
| Diczloro7ifl, orometzane | KD | , g/L | 0E30 | 0E099 | EW8h3J4B | KD | | 1 |
| 1j1hDiczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| 1j1hDiczloroetzene | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jOhDiczloropropane | KD | , g/L | 0E30 | 0E02V | EW8h3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Wercclorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h0O | **Client Sample Aame:** KHhJj 2/1O/J014 O.13:00W,

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jOhDiczloropropene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| transh1jOhDiczloropropene | KD | , g/L | 0E30 | 0E0. 9 | EW8h3J4B | KD | | 1 |
| Etzylben6ene | KD | , g/L | 0E30 | 0E092 | EW8h3J4B | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| Mopropylben6ene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| ; etzylene czlori7e | KD | , g/L | 0E30 | 0E42 | EW8h3J4B | KD | | 1 |
| ; etzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Kapztzalene | KD | , g/L | 0E30 | 0E0V | EW8h3J4B | KD | | 1 |
| nhWopylben6ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Styrene | KD | , g/L | 0E30 | 0E0V2 | EW8h3J4B | KD | | 1 |
| 1j1j1jJhTetraczloroetzane | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| 1j1jJjJhTetraczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| **Tetra( . loroet. ene** | **1'4** | **uc/L** | **N7N** | **N1Q** | **Mh3 0754'5** | KD | | 1 |
| Tol, ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| 1jJjOhTriczloroben6ene | KD | , g/L | 0E30 | 0E1V | EW8h3J4B | KD | | 1 |
| 1jJj4hTriczloroben6ene | KD | , g/L | 0E30 | 0E19 | EW8h3J4B | KD | | 1 |
| 1j1j1hTriczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczloroetzane | KD | , g/L | 0E30 | 0E1V | EW8h3J4B | KD | | 1 |
| Triczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |
| Triczlorofl, orometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJjOhTriczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczlorohjJjJhtrifl, oroetzane | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJj4hTrimetzylben6ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 1jOj3hTrimetzylben6ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 8cetone | KD | , g/L | 10 | 4EV | EW8h3J4B | KD | | 1 |
| 8crylonitrile | KD | , g/L | 3E0 | 1E | EW8h3J4B | KD | U11 | 1 |
| 8llyl czlori7e | KD | , g/L | 3E0 | 0E20 | EW8h3J4B | KD | | 1 |
| thBmyl ; etzyl etzer | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9E4 | EW8h3J4B | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1E0 | 0E02 | EW8h3J4B | KD | | 1 |
| transh1j4hDiczlorohJhb, tene | KD | , g/L | 3E0 | 1E4 | EW8h3J4B | KD | | 1 |

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|---|---|
| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) :** 09/02/J014 11:0V<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Ch0100<br>Wrolect ; anager: Gason Sapp |

# Oolatile g rcani( 3 nalVsis RMh3 d et. o) 754'5H

| **ECL Sample IW:** 1412. 92h0O | **Client Sample Aame:** KHhJj 2/1O/J014 O.13:00W |
|---|---|

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4B0 | 0B9. | EW8h3J4B3 | KD | | 1 |
| Etzyl thb, tyl etzer | KD | , g/L | 0B30 | 0B12 | EW8h3J4B3 | KD | | 1 |
| JhHexanone | KD | , g/L | 10 | OB4 | EW8h3J4B3 | KD | | 1 |
| ; etzacrylonitrile | KD | , g/L | 10 | 1B | EW8h3J4B3 | KD | | 1 |
| ; etzyl etzyl I etone | KD | , g/L | 10 | JB3 | EW8h3J4B3 | KD | | 1 |
| ; etzyl io7i7e | KD | , g/L | JB0 | 0B4. | EW8h3J4B3 | KD | | 1 |
| ; etzyl isob, tyl I etone | KD | , g/L | 10 | JB1 | EW8h3J4B3 | KD | | 1 |
| ; etzyl metzacrylate | KD | , g/L | 3B0 | 1B3 | EW8h3J4B3 | KD | | 1 |
| Kitroben6ene | KD | , g/L | O0 | 1O | EW8h3J4B3 | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JB0 | 0B4O | EW8h3J4B3 | KD | | 1 |
| Wropionitrile | KD | , g/L | J0 | 4B3 | EW8h3J4B3 | KD | | 1 |
| Tetrazy7rof, ran | KD | , g/L | J0 | 3B3 | EW8h3J4B3 | KD | | 1 |
| ph& mhwylenes | KD | , g/L | 0B30 | 0B12 | EW8h3J4B3 | KD | | 1 |
| ohwylene | KD | , g/L | 0B30 | 0B02J | EW8h3J4B3 | KD | | 1 |
| 1jJhDiczloroetzaneh74 FS, rrogateX | 110 | % | . 3 h1J3 FLPL h) PLX | | EW8h3J4B3 | | | 1 |
| Tol, eneh72 FS, rrogateX | 101 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4B3 | | | 1 |
| 4hu romofl, oroben6ene FS, rrogateX | 2OB0 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4B3 | | | 1 |
| **TIC: O06luoro050propVnenitrile** | **1'1** | **uc/L** | | | **Mh3 0754'5** | | | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wilution | v C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8h3J4B3 | 02/19/14 | 02/19/14 1O3J | GPP | ; SHU14 | 1 | uwH1340 |

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Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# G ater 3 nalVsis PF eneral C. emistrVH

**ECL Sample IW:** 1412. 92h0O **Client Sample Aame:** KHhJj 2/1O/J014 O13:00W,

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Werczlorate | KD | , g/L | 4E0 | 0E43 | EW8hO14E0 | KD | | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wilution | y C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8hO14E0 | 09/04/14 | 09/03/14 0V:33 | LD1 | MPV | 1 | uwW043V |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h04 | **Client Sample Aame:** Kh3j 2/1C/J014 9:J3:008;

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen6ene | KD | , g/L | 0E30 | 0E02O | EW8h3J4B | KD | | 1 |
| uromoben6ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8h3J4B | KD | | 1 |
| nhu, tylben6ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| sechu, tylben6ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| terthu, tylben6ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| Pzloroben6ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| Pzloroform | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8h3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJhDibromohChczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E1V | EW8h3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroben6ene | KD | , g/L | 0E30 | 0E0. J | EW8h3J4B | KD | | 1 |
| 1jChDiczloroben6ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1j4hDiczloroben6ene | KD | , g/L | 0E30 | 0E0VJ | EW8h3J4B | KD | | 1 |
| Diczloro7ifl, orometzane | KD | , g/L | 0E30 | 0E099 | EW8h3J4B | KD | | 1 |
| 1j1hDiczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| 1j1hDiczloroetzene | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jChDiczloropropane | KD | , g/L | 0E30 | 0E02V | EW8h3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |

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Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h04 | **Client Sample Aame:** Kh3j 2/1C/J014 9:J3:008;

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jCh Diczloropropene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| transh1jCh Diczloropropene | KD | , g/L | 0E30 | 0E0. 9 | EW8h3J4B | KD | | 1 |
| Etzylben6ene | KD | , g/L | 0E30 | 0E092 | EW8h3J4B | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| Mopropylben6ene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| ; etzylene czlori7e | KD | , g/L | 0E30 | 0E42 | EW8h3J4B | KD | | 1 |
| ; etzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Kapztzalene | KD | , g/L | 0E30 | 0E0V | EW8h3J4B | KD | | 1 |
| nhWopylben6ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Styrene | KD | , g/L | 0E30 | 0E0V2 | EW8h3J4B | KD | | 1 |
| 1j1j1jJh Tetraczloroetzane | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| 1j1jJjJh Tetraczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| Tetraczloroetzene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| Tol, ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| 1jJjCh Triczloroben6ene | KD | , g/L | 0E30 | 0E1V | EW8h3J4B | KD | | 1 |
| 1jJj4h Triczloroben6ene | KD | , g/L | 0E30 | 0E19 | EW8h3J4B | KD | | 1 |
| 1j1j1h Triczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1j1jJh Triczloroetzane | KD | , g/L | 0E30 | 0E1V | EW8h3J4B | KD | | 1 |
| Triczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |
| Triczlorofl, orometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJjCh Triczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1j1jJh Triczloroh1jJjJh trifl, oroetzane | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJj4h Trimetzylben6ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 1jC3h Trimetzylben6ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 8cetone | KD | , g/L | 10 | 4EV | EW8h3J4B | KD | | 1 |
| 8crylonitrile | KD | , g/L | 3E0 | 1E | EW8h3J4B | KD | U11 | 1 |
| 8llyl czlori7e | KD | , g/L | 3E0 | 0E20 | EW8h3J4B | KD | | 1 |
| th8myl ; etzyl etzer | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9E4 | EW8h3J4B | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1E0 | 0E02 | EW8h3J4B | KD | | 1 |
| transh1j4h DiczlorohJh b, tene | KD | , g/L | 3E0 | 1E4 | EW8h3J4B | KD | | 1 |

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| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) :** 09/02/J014 11:0V<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Cr0100<br>Wrolect ; anager: Gason Sapp |

# Oolatile g rcani( 3 nalVsis RMh3 d et. o) 754'5H

| **ECL Sample IW:** 1412. 92r04 | **Client Sample Aame:** Kr3j 2/1C/J014 9:J3:008; |
|---|---|

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4B0 | 0B9. | EW8r3J4B3 | KD | | 1 |
| Etzyl trb, tyl etzer | KD | , g/L | 0B30 | 0B12 | EW8r3J4B3 | KD | | 1 |
| JrHexanone | KD | , g/L | 10 | OB4 | EW8r3J4B3 | KD | | 1 |
| ; etzacrylonitrile | KD | , g/L | 10 | 1B | EW8r3J4B3 | KD | | 1 |
| ; etzyl etzyl I etone | KD | , g/L | 10 | JB3 | EW8r3J4B3 | KD | | 1 |
| ; etzyl io7i7e | KD | , g/L | JB0 | 0B4. | EW8r3J4B3 | KD | | 1 |
| ; etzyl isob, tyl I etone | KD | , g/L | 10 | JB1 | EW8r3J4B3 | KD | | 1 |
| ; etzyl metzacrylate | KD | , g/L | 3B0 | 1B3 | EW8r3J4B3 | KD | | 1 |
| Kitroben6ene | KD | , g/L | O0 | 1O | EW8r3J4B3 | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JB0 | 0B4O | EW8r3J4B3 | KD | | 1 |
| Wropionitrile | KD | , g/L | J0 | 4B3 | EW8r3J4B3 | KD | | 1 |
| Tetrazy7rof, ran | KD | , g/L | J0 | 3B3 | EW8r3J4B3 | KD | | 1 |
| ph& mhwylenes | KD | , g/L | 0B30 | 0B12 | EW8r3J4B3 | KD | | 1 |
| ohwylene | KD | , g/L | 0B30 | 0B02J | EW8r3J4B3 | KD | | 1 |
| 1jJrDiczloroetzanehr74 FS, rrogateX | 11. | % | . 3 h1J3 FLPL h) PLX | | EW8r3J4B3 | | | 1 |
| Tol, enehr72 FS, rrogateX | 92BO | % | 20 h1J0 FLPL h) PLX | | EW8r3J4B3 | | | 1 |
| 4hu romofl, oroben6ene FS, rrogateX | 24B1 | % | 20 h1J0 FLPL h) PLX | | EW8r3J4B3 | | | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wlution | v C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8r3J4B3 | 02/19/14 | 02/19/14 14:13 | GPP | ; SrU14 | 1 | uwH1340 |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Cr0100
Wrolect ; anager: Gason Sapp

# G ater 3 nalVsis PF eneral C. emistrVH

| **ECL Sample IW:** | 1412. 92h04 | **Client Sample Aame:** | Kh3j 2/1C/J014 9:J3:008; |
|---|---|---|---|

| **Constituent** | **Result** | **Units** | **hy L** | **d WL** | **d et. o)** | **d E Eias** | **Lab y uals** | **Run #** |
|---|---|---|---|---|---|---|---|---|
| Werczlorate | KD | , g/L | 4E0 | 0E43 | EW8 hO14E0 | KD | | 1 |

| **Run #** | **d et. o)** | **hrep Wate** | **Run Wate/Time** | **3 nalVst** | **Instrument** | **Wilution** | **y C Eat( . IW** |
|---|---|---|---|---|---|---|---|
| 1 | EW8 hO14E0 | 09/04/14 | 09/03/14 0. :09 | LD1 | MPV | 1 | uwW043V |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h03 | **Client Sample Aame:** K. h4j 2/1O/J014 4:13:00W

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen6ene | KD | , g/L | 0E30 | 0E02O | EW8h3J4B | KD | | 1 |
| uromoben6ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8h3J4B | KD | | 1 |
| nhu, tylben6ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| sechu, tylben6ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| terthu, tylben6ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| Pzloroben6ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| Pzloroform | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8h3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJhDibromohOhczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E1V | EW8h3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroben6ene | KD | , g/L | 0E30 | 0E0. J | EW8h3J4B | KD | | 1 |
| 1jOhDiczloroben6ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1j4hDiczloroben6ene | KD | , g/L | 0E30 | 0E0VJ | EW8h3J4B | KD | | 1 |
| **Wi( . loro) ifluoromet. ane** | **1'7** | **uc/L** | **N7N** | **N'N- -** | **Mh3 0754'5** | KD | | 1 |
| **1X10Wi( . loroet. ane** | **N94** | **uc/L** | **N7N** | **N11** | **Mh3 0754'5** | KD | | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| 1j1hDiczloroetzene | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| **1X60Wi( . loropropane** | **N47** | **uc/L** | **N7N** | **N1Q** | **Mh3 0754'5** | KD | **J** | 1 |
| 1jOhDiczloropropane | KD | , g/L | 0E30 | 0E02V | EW8h3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |

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A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Wercclorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h03 | **Client Sample Aame:** K. h4j 2/1O/J014 4:13:00W

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jOhDiczloropropene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| transh1jOhDiczloropropene | KD | , g/L | 0E30 | 0E0. 9 | EW8h3J4B | KD | | 1 |
| Etzylben6ene | KD | , g/L | 0E30 | 0E092 | EW8h3J4B | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| Mopropylben6ene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| ; etzylene czlori7e | KD | , g/L | 0E30 | 0E42 | EW8h3J4B | KD | | 1 |
| ; etzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Kapztzalene | KD | , g/L | 0E30 | 0E0V | EW8h3J4B | KD | | 1 |
| nhWopylben6ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Styrene | KD | , g/L | 0E30 | 0E0V2 | EW8h3J4B | KD | | 1 |
| 1j1j1jJhTetraczloroetzane | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| 1j1jJjJhTetraczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| **Tetra( . loroet. ene** | **8'7** | **uc/L** | **N7N** | **N1Q** | **Mh3 0754'5** | KD | | 1 |
| Tol, ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| 1jJjOhTriczloroben6ene | KD | , g/L | 0E30 | 0E1V | EW8h3J4B | KD | | 1 |
| 1jJj4hTriczloroben6ene | KD | , g/L | 0E30 | 0E19 | EW8h3J4B | KD | | 1 |
| 1j1j1hTriczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczloroetzane | KD | , g/L | 0E30 | 0E1V | EW8h3J4B | KD | | 1 |
| **Tri( . loroet. ene** | **1'4** | **uc/L** | **N7N** | **N'N87** | **Mh3 0754'5** | KD | | 1 |
| **Tri( . lorofluoromet. ane** | **N84** | **uc/L** | **N7N** | **N1Q** | **Mh3 0754'5** | KD | | 1 |
| 1jJjOhTriczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczlorohjJjJhtrifl, oroetzane | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJj4hTrimetzylben6ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 1jOj3hTrimetzylben6ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 8cetone | KD | , g/L | 10 | 4EV | EW8h3J4B | KD | | 1 |
| 8crylonitrile | KD | , g/L | 3E0 | 1E | EW8h3J4B | KD | U11 | 1 |
| 8llyl czlori7e | KD | , g/L | 3E0 | 0E20 | EW8h3J4B | KD | | 1 |
| thB myl ; etzyl etzer | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9E4 | EW8h3J4B | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1E0 | 0E02 | EW8h3J4B | KD | | 1 |
| transh1j4hDiczlorohJhb, tene | KD | , g/L | 3E0 | 1E4 | EW8h3J4B | KD | | 1 |

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A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis RMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h03 | **Client Sample Aame:** K. h4j 2/1O/J014 4:13:00W

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4B0 | 0B9. | EW8h3J4B | KD | | 1 |
| Etzyl tlb, tyl etzer | KD | , g/L | 0B30 | 0B12 | EW8h3J4B | KD | | 1 |
| JhHexanone | KD | , g/L | 10 | OB4 | EW8h3J4B | KD | | 1 |
| ; etzacrylonitrile | KD | , g/L | 10 | 1B | EW8h3J4B | KD | | 1 |
| ; etzyl etzyl I etone | KD | , g/L | 10 | JB3 | EW8h3J4B | KD | | 1 |
| ; etzyl io7i7e | KD | , g/L | JB0 | 0B4. | EW8h3J4B | KD | | 1 |
| ; etzyl isob, tyl I etone | KD | , g/L | 10 | JB1 | EW8h3J4B | KD | | 1 |
| ; etzyl metzacrylate | KD | , g/L | 3B0 | 1B3 | EW8h3J4B | KD | | 1 |
| Kitroben6ene | KD | , g/L | O0 | 1O | EW8h3J4B | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JB0 | 0B4O | EW8h3J4B | KD | | 1 |
| Wropionitrile | KD | , g/L | J0 | 4B | EW8h3J4B | KD | | 1 |
| Tetrazy7rof, ran | KD | , g/L | J0 | 3B | EW8h3J4B | KD | | 1 |
| ph& mhwylenes | KD | , g/L | 0B30 | 0B12 | EW8h3J4B | KD | | 1 |
| ohwylene | KD | , g/L | 0B30 | 0B02J | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroetzaneh74 FS, rrogateX | 11O | % | . 3 h1J3 FLPL h) PLX | | EW8h3J4B | | | 1 |
| Tol, eneh72 FS, rrogateX | 100 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4B | | | 1 |
| 4hu romofl, oroben6ene FS, rrogateX | 2VB | % | 20 h1J0 FLPL h) PLX | | EW8h3J4B | | | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wlution | v C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8h3J4B | 02/19/14 | 02/19/14 14:O2 | GPP | ; SHU14 | 1 | uwH1340 |

A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Wercclorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# g rcano( . lorine hesti( i) es an) hCExs RMh3 d et. o) 8N8NH

**ECL Sample IW:** 1412. 92h03 | **Client Sample Aame:** K. h4j 2/1O/J014 4:13:00W,

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| 8I7rin | KD | , g/L | 0E0030 | 0E0001O | EW8h2020 | KD | | 1 |
| alpzahu HP | KD | , g/L | 0E0030 | 0E0011 | EW8h2020 | KD | | 1 |
| betahu HP | KD | , g/L | 0E0030 | 0E00J1 | EW8h2020 | KD | | 1 |
| 7eltahu HP | KD | , g/L | 0E0030 | 0E0014 | EW8h2020 | KD | | 1 |
| gammahu HP FLin7aneX | KD | , g/L | 0E0030 | 0E00094 | EW8h2020 | KD | | 1 |
| Pzlor7ane FTecznicalX | KD | , g/L | 0E30 | 0E02 | EW8h2020 | KD | | 1 |
| 4j4'hDDD | KD | , g/L | 0E0030 | 0E001. | EW8h2020 | KD | | 1 |
| 4j4'hDDE | KD | , g/L | 0E0030 | 0E0019 | EW8h2020 | KD | | 1 |
| 4j4'hDDT | KD | , g/L | 0E0030 | 0E000. V | EW8h2020 | KD | | 1 |
| Diel7rin | KD | , g/L | 0E0030 | 0E001J | EW8h2020 | KD | | 1 |
| En7os, lfan M | KD | , g/L | 0E0030 | 0E001V | EW8h2020 | KD | | 1 |
| En7os, lfan MM | KD | , g/L | 0E0030 | 0E0014 | EW8h2020 | KD | | 1 |
| En7os, lfan s, lfate | KD | , g/L | 0E0030 | 0E00JV | EW8h2020 | KD | | 1 |
| En7rin | KD | , g/L | 0E0030 | 0E0002J | EW8h2020 | KD | | 1 |
| En7rin al7ezy7e | KD | , g/L | 0E010 | 0E00QJ | EW8h2020 | KD | | 1 |
| Heptaczlor | KD | , g/L | 0E0030 | 0E001J | EW8h2020 | KD | | 1 |
| Heptaczlor epoxi7e | KD | , g/L | 0E0030 | 0E00099 | EW8h2020 | KD | | 1 |
| ; etzoxyczlor | KD | , g/L | 0E0030 | 0E0011 | EW8h2020 | KD | | 1 |
| Toxapzene | KD | , g/L | JE0 | 0E4J | EW8h2020 | KD | | 1 |
| WPuh101V | KD | , g/L | 0E30 | 0E043 | EW8h2020 | KD | | 1 |
| WPuh1JJ1 | KD | , g/L | 0E30 | 0E0. 0 | EW8h2020 | KD | | 1 |
| WPuh1JQJ | KD | , g/L | 0E30 | 0E021 | EW8h2020 | KD | | 1 |
| WPuh1J4J | KD | , g/L | 0E30 | 0E0V3 | EW8h2020 | KD | | 1 |
| WPuh1J42 | KD | , g/L | 0E30 | 0E023 | EW8h2020 | KD | | 1 |
| WPuh1J34 | KD | , g/L | 0E30 | 0E0. . | EW8h2020 | KD | | 1 |
| WPuh1JV0 | KD | , g/L | 0E30 | 0E0V0 | EW8h2020 | KD | | 1 |
| Total WPu's FS, mmationX | KD | , g/L | 0E30 | 0E10 | EW8h2020 | KD | | 1 |
| TP; w FS, rrogateX | 102 | % | 40 h140 FLPL h) PLX | | EW8h2020 | | | 1 |
| Decaczlorobipzenyl FS, rrogateX | 90B | % | 40 h1J0 FLPL h) PLX | | EW8h2020 | | | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wilution | v C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8h2020 | 02/J0/14 | 02/JO/14 J1:41 | UH1 | APh14 | 1 | uwHJ303 |

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|---|---|
| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) :** 09/02/J014 11:0V<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Ch0100<br>Wrolect ; anager: Gason Sapp |

# g rcanoCh. osp. orus hesti( i) e 3 nalVsis FMh3 d et. o) 8141EH

| | | | |
|---|---|---|---|
| **ECL Sample IW:** | 1412. 92h03 | **Client Sample Aame:** | K. h4j 2/1CJ014 4:13:00W |

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| 86inpzos metzyl | KD | , g/L | 0B0 | 0B033 | EW8h2141u | KD | | 1 |
| uolstar | KD | , g/L | 0B0 | 0B033 | EW8h2141u | KD | | 1 |
| Pzlorpyrifos | KD | , g/L | 0B0 | 0B010 | EW8h2141u | KD | | 1 |
| Po, mapzos | KD | , g/L | 0B0 | 0B034 | EW8h2141u | KD | | 1 |
| Demeton q /S | KD | , g/L | 0B0 | 0BJV | EW8h2141u | KD | | 1 |
| Dia6inon | KD | , g/L | 0B0 | 0B044 | EW8h2141u | KD | | 1 |
| Diczlorvos | KD | , g/L | 0B0 | 0B0. 0 | EW8h2141u | KD | | 1 |
| Dis, lfoton | KD | , g/L | 0B0 | 0BOC9 | EW8h2141u | KD | | 1 |
| Etzoprop | KD | , g/L | 0B0 | 0BJ3 | EW8h2141u | KD | | 1 |
| dens, lfotzion | KD | , g/L | 0B0 | 0B022 | EW8h2141u | KD | | 1 |
| dentzion | KD | , g/L | 0B0 | 0BOCO | EW8h2141u | KD | | 1 |
| ; erpzos | KD | , g/L | 0B0 | 0B032 | EW8h2141u | KD | | 1 |
| ; etzyl paratzion | KD | , g/L | 0B0 | 0B0. 4 | EW8h2141u | KD | | 1 |
| ; evinpzos | KD | , g/L | 0B0 | 0B03O | EW8h2141u | KD | | 1 |
| Kale7 | KD | , g/L | 0B0 | 0B0. J | EW8h2141u | KD | | 1 |
| Wzorate | KD | , g/L | 0B0 | 0B041 | EW8h2141u | KD | | 1 |
| Ronnel FdenczlorpzosX | KD | , g/L | 0B0 | 0B0V. | EW8h2141u | KD | | 1 |
| Stiropzos FTetraczlorvinpzosX | KD | , g/L | 0B0 | 0B04V | EW8h2141u | KD | | 1 |
| Tol , tzion FWotziofosX | KD | , g/L | 0B0 | 0BOCJ | EW8h2141u | KD | | 1 |
| Triczloronate | KD | , g/L | 0B0 | 0BOC2 | EW8h2141u | KD | | 1 |
| Tripzenylpzospzate FS, rrogateX | 9OB0 | % | 30 h140 FLPL h) PLX | | EW8h2141u | | | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wlution | y C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8h2141u | 02/1. /14 | 02/J0/14 J1:4V | ; ( 1 | APh | 1 | uwH1. V4 |

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Aeologic 8ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# C. lorinate) Berbi( i) es PMh3 d et. o) 81713 H

**ECL Sample IW:** 1412. 92h03 | **Client Sample Aame:** K. h4j 2/1O/J014 4:13:00W,

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Jj4hD | KD | , g/L | 0E40 | 0E0V3 | EW8h21318 | KD | | 1 |
| Jj4hDu | KD | , g/L | OE0 | 0E0J | EW8h21318 | KD | | 1 |
| Dalapon | KD | , g/L | 10 | JE4 | EW8h21318 | KD | | 1 |
| Dicamba | KD | , g/L | 0E020 | 0E0O. | EW8h21318 | KD | | 1 |
| Diczloroprop | KD | , g/L | 0E30 | 0E01J | EW8h21318 | KD | | 1 |
| Dinoseb | KD | , g/L | 0E10 | 0E040 | EW8h21318 | KD | | 1 |
| Jj4j3hT | KD | , g/L | 0E090 | 0E01J | EW8h21318 | KD | | 1 |
| Jj4j3hTWFSilvexX | KD | , g/L | 0E0. 0 | 0E01V | EW8h21318 | KD | | 1 |
| Jj4hDiczloropzenylacetic aci7 FS, rrogateX | 4OE3 | % | O0 h140 FLPL h) PLX | | EW8h21318 | | | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wlution | v C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8h21318 | 02/J0/14 | 02/JO/14 J1:41 | UH1 | APh14 | 1 | uwHJO4. |

Aeologic 8ssociates
J30 C Bdirst StBS, ite JJ2
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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Ease Aeutral an) 3 ( i) MDtra( tables g rcani( 3 nalVsis RMh3 d et. o) 859NCH

**ECL Sample IW:** 1412. 92h03 | **Client Sample Aame:** K. h4j 2/1O/J014 4:13:00W,

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| 8cenapztzene | KD | , g/L | JE0 | 0E34 | EW8h2J. 0P | KD | | 1 |
| 8cenapztzylene | KD | , g/L | JE0 | 0E32 | EW8h2J. 0P | KD | | 1 |
| 8I7rin | KD | , g/L | JE0 | 0E03 | EW8h2J. 0P | KD | | 1 |
| 8niline | KD | , g/L | 3E0 | 0E39 | EW8h2J. 0P | KD | | 1 |
| 8ntzracene | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| uen6i7ine | KD | , g/L | J0 | . E1 | EW8h2J. 0P | KD | | 1 |
| uen6o[a]antzracene | KD | , g/L | JE0 | 0E02 | EW8h2J. 0P | KD | | 1 |
| uen6o[b]fl, orantzene | KD | , g/L | JE0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| uen6o[l ]fl, orantzene | KD | , g/L | JE0 | 0E01 | EW8h2J. 0P | KD | | 1 |
| uen6o[a]pyrene | KD | , g/L | JE0 | 0E30 | EW8h2J. 0P | KD | | 1 |
| uen6o[gjzji]perylene | KD | , g/L | JE0 | 0E3J | EW8h2J. 0P | KD | | 1 |
| uen6oic aci7 | KD | , g/L | 10 | 3E2 | EW8h2J. 0P | KD | | 1 |
| uen6yl alcozol | KD | , g/L | JE0 | 0E04 | EW8h2J. 0P | KD | | 1 |
| uen6yl b, tyl pztzalate | KD | , g/L | JE0 | 0E4. | EW8h2J. 0P | KD | | 1 |
| alpzahu HP | KD | , g/L | JE0 | 0E3. | EW8h2J. 0P | KD | | 1 |
| betahu HP | KD | , g/L | JE0 | 0E3. | EW8h2J. 0P | KD | | 1 |
| 7eltahu HP | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| gammahu HP FLin7aneX | KD | , g/L | JE0 | 0E3J | EW8h2J. 0P | KD | | 1 |
| bisFJhPzloroetzoxyXmetzane | KD | , g/L | JE0 | 0E3. | EW8h2J. 0P | KD | | 1 |
| bisFJhPzloroetzylXetzer | KD | , g/L | JE0 | 0E32 | EW8h2J. 0P | KD | | 1 |
| bisFJhPzloroisopropylXetzer | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| bisFJhEtzylzexylXpztzalate | KD | , g/L | 3E0 | OE0 | EW8h2J. 0P | KD | | 1 |
| 4hu romopzenyl pzenyl etzer | KD | , g/L | JE0 | 0E3O | EW8h2J. 0P | KD | | 1 |
| 4hPzloroaniline | KD | , g/L | JE0 | 0E39 | EW8h2J. 0P | KD | | 1 |
| JhPzloronapztzalene | KD | , g/L | JE0 | 0E04 | EW8h2J. 0P | KD | | 1 |
| 4hPzloropzenyl pzenyl etzer | KD | , g/L | JE0 | 0E3O | EW8h2J. 0P | KD | | 1 |
| Pzrysene | KD | , g/L | JE0 | 0E3O | EW8h2J. 0P | KD | | 1 |
| 4j4'hDDD | KD | , g/L | JE0 | 0E42 | EW8h2J. 0P | KD | | 1 |
| 4j4'hDDE | KD | , g/L | OE0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| 4j4'hDDT | KD | , g/L | JE0 | 0E4O | EW8h2J. 0P | KD | | 1 |
| Diben6o[ajz]antzracene | KD | , g/L | OE0 | 0E3V | EW8h2J. 0P | KD | | 1 |
| Diben6of, ran | KD | , g/L | JE0 | 0E31 | EW8h2J. 0P | KD | | 1 |
| 1jJhDiczloroben6ene | KD | , g/L | JE0 | 0E0. | EW8h2J. 0P | KD | | 1 |

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Aeologic 8ssociates
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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Ease Aeutral an) 3 ( i) MDtra( tables g rcani( 3 nalVsis RMh3 d et. o) 859NCH

**ECL Sample IW:** 1412. 92h03 | **Client Sample Aame:** K. h4j 2/1CJ014 4:13:00W

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| 1jCHDiczloroben6ene | KD | , g/L | JE0 | 0E03 | EW8h2J. 0P | KD | | 1 |
| 1j4HDiczloroben6ene | KD | , g/L | JE0 | 0E01 | EW8h2J. 0P | KD | | 1 |
| CjCHDiczloroben6i7ine | KD | , g/L | 10 | 2E | EW8h2J. 0P | KD | | 1 |
| Diel7rin | KD | , g/L | CE0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| Dietzyl pztzalate | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| Dimetzyl pztzalate | KD | , g/L | JE0 | 0E09 | EW8h2J. 0P | KD | | 1 |
| Dihmhb, tyl pztzalate | KD | , g/L | JE0 | 0E09 | EW8h2J. 0P | KD | | 1 |
| Jj4HDinitrotol, ene | KD | , g/L | JE0 | 0E1V | EW8h2J. 0P | KD | | 1 |
| JjVHDinitrotol, ene | KD | , g/L | JE0 | 0E41 | EW8h2J. 0P | KD | | 1 |
| Dihmhoctyl pztzalate | KD | , g/L | JE0 | 0E4V | EW8h2J. 0P | KD | | 1 |
| 1jJHDipzenylzy7ra6ine | KD | , g/L | JE0 | 0E04 | EW8h2J. 0P | KD | | 1 |
| En7os, lfan M | KD | , g/L | 10 | 1B | EW8h2J. 0P | KD | | 1 |
| En7os, lfan MM | KD | , g/L | 10 | 1E | EW8h2J. 0P | KD | | 1 |
| En7os, lfan s, lfate | KD | , g/L | CE0 | 0E32 | EW8h2J. 0P | KD | | 1 |
| En7rin | KD | , g/L | JE0 | 1E | EW8h2J. 0P | KD | | 1 |
| En7rin al7ezy7e | KD | , g/L | 10 | 0E3J | EW8h2J. 0P | KD | | 1 |
| dl, orantzene | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| dl, orene | KD | , g/L | JE0 | 0E12 | EW8h2J. 0P | KD | | 1 |
| Heptaczlor | KD | , g/L | JE0 | 0E0J | EW8h2J. 0P | KD | | 1 |
| Heptaczlor epoxi7e | KD | , g/L | JE0 | 0E1. | EW8h2J. 0P | KD | | 1 |
| Hexaczloroben6ene | KD | , g/L | JE0 | 0E10 | EW8h2J. 0P | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | JE0 | 0E14 | EW8h2J. 0P | KD | | 1 |
| Hexaczlorocyclopenta7iene | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| Hexaczloroetzane | KD | , g/L | JE0 | 0E0J | EW8h2J. 0P | KD | | 1 |
| M7eno[1jJjCHc7]pyrene | KD | , g/L | JE0 | 0E1V | EW8h2J. 0P | KD | | 1 |
| Mlopzorone | KD | , g/L | JE0 | 0E01 | EW8h2J. 0P | KD | | 1 |
| JH, etzylnapztzalene | KD | , g/L | JE0 | 0E12 | EW8h2J. 0P | KD | | 1 |
| Kapztzalene | KD | , g/L | JE0 | 0E11 | EW8h2J. 0P | KD | | 1 |
| JHKapztzylamine | KD | , g/L | J0 | 4E2 | EW8h2J. 0P | KD | | 1 |
| JHKitroaniline | KD | , g/L | JE0 | 0E00 | EW8h2J. 0P | KD | | 1 |
| CHKitroaniline | KD | , g/L | JE0 | 0E1V | EW8h2J. 0P | KD | | 1 |
| 4HKitroaniline | KD | , g/L | 3E0 | 0E2. | EW8h2J. 0P | KD | | 1 |
| Kitroben6ene | KD | , g/L | JE0 | 0E1V | EW8h2J. 0P | KD | | 1 |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Ease Aeutral an) 3 ( i) MDtra( tables g rcani( 3 nalVsis RMh3 d et. o) 859NCH

**ECL Sample IW:** 1412. 92h03 | **Client Sample Aame:** K. h4j 2/1CJ014 4:13:00W

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| KhKitroso7imetzylamine | KD | , g/L | JB0 | 0B/1 | EW8h2J. 0P | KD | | 1 |
| KhKitroso7ihKhpropylamine | KD | , g/L | JB0 | 1B0 | EW8h2J. 0P | KD | | 1 |
| KhKitroso7ipzenylamine | KD | , g/L | JB0 | 0B44 | EW8h2J. 0P | KD | | 1 |
| Wzenantzrene | KD | , g/L | JB0 | 0B10 | EW8h2J. 0P | KD | | 1 |
| Wyrene | KD | , g/L | JB0 | 0BIV | EW8h2J. 0P | KD | | 1 |
| 1jJj4hTriczloroben6ene | KD | , g/L | JB0 | 0BI. | EW8h2J. 0P | KD | | 1 |
| 4hPzlorohOmetzylpzenol | KD | , g/L | 3B0 | 0B40 | EW8h2J. 0P | KD | | 1 |
| JhPzloropzenol | KD | , g/L | JB0 | 0B0 | EW8h2J. 0P | KD | | 1 |
| Jj4hDiczloropzenol | KD | , g/L | JB0 | 0B4O | EW8h2J. 0P | KD | | 1 |
| Jj4hDimetzylpzenol | KD | , g/L | JB0 | 0B10 | EW8h2J. 0P | KD | | 1 |
| 4jVhDinitrohJhmetzylpzenol | KD | , g/L | 10 | 0B04 | EW8h2J. 0P | KD | | 1 |
| Jj4hDinitropzenol | KD | , g/L | 10 | 0B10 | EW8h2J. 0P | KD | | 1 |
| Jh; etzylpzenol | KD | , g/L | JB0 | 1B0 | EW8h2J. 0P | KD | | 1 |
| Ch& 4h; etzylpzenol | KD | , g/L | JB0 | 1BV | EW8h2J. 0P | KD | | 1 |
| JhKitropzenol | KD | , g/L | JB0 | 0B12 | EW8h2J. 0P | KD | | 1 |
| 4hKitropzenol | KD | , g/L | JB0 | 0B O | EW8h2J. 0P | KD | | 1 |
| Wentaczloropzenol | KD | , g/L | 10 | 0B 9 | EW8h2J. 0P | KD | | 1 |
| Wzenol | KD | , g/L | JB0 | 0B10 | EW8h2J. 0P | KD | | 1 |
| Jj4j3hTriczloropzenol | KD | , g/L | 3B0 | 0B01 | EW8h2J. 0P | KD | | 1 |
| Jj4jVhTriczloropzenol | KD | , g/L | 3B0 | 0BV0 | EW8h2J. 0P | KD | | 1 |
| JhdI, oropzenol FS, rrogateX | 3VB4 | % | C0 h1J0 | FLPL h) PLX | EW8h2J. 0P | | | 1 |
| WzenolH73 FS, rrogateX | 10B | % | 1J h110 | FLPL h) PLX | EW8h2J. 0P | | S09 | 1 |
| Kitroben6enehH73 FS, rrogateX | 2VB0 | % | V0 h1C0 | FLPL h) PLX | EW8h2J. 0P | | | 1 |
| JhdI, orobipzenyl FS, rrogateX | J94 | % | 33 h1J3 | FLPL h) PLX | EW8h2J. 0P | | S09 | 1 |
| Jj4jVhTribromopzenol FS, rrogateX | 1V1 | % | 40 h130 | FLPL h) PLX | EW8h2J. 0P | | S09 | 1 |
| phTerpzenylH714 FS, rrogateX | . 1V | % | 40 h130 | FLPL h) PLX | EW8h2J. 0P | | S09 | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wllution | y C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8h2J. 0P | 02/J0/14 | 02/J9/14 1V:C3 | UH1 | ; ShuJ | 0B9V0 | uwHJV09 |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Cr0100
Wrolect ; anager: Gason Sapp

# AWd 3 RMh3 d et. o) 859NC0Sld H

**ECL Sample IW:** 1412. 92r03 | **Client Sample Aame:** K. h4j 2/1C/J014 4:13:00W

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| KrKitroso7imetzylamine | KD | , g/L | 0E010 | 0E00C0 | EW8r2J. 0PrSM KD; 8 | KD | | 1 |
| Kapztzalenehr72 FS, rrogateX | V. B4 | % | V3 h14J FLPL h) PLX | | EW8r2J. 0PrSM KD; 8 | | | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wlution | v C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8r2J. 0PrSM KD; 8 | 02/J0/14 | 02/J. /14 00:JV | ; ( 1 | ; Shu4 | 0E920 | uwHJ3C9 |

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A eologic 8 ssociates
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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# G ater 3 nalVsis PF eneral C. emistrVH

**ECL Sample IW:** 1412. 92h03 | **Client Sample Aame:** K. h4j 2/1O/J014 4:13:00W,

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Wssolve) Cal( ium** | **98** | **mc/L** | **N'1N** | **N'N12** | **Mh3 02N1NE** | KD | | 1 |
| **Wssolve) d acnesium** | **15** | **mc/L** | **N'N7N** | **N'N1-** | **Mh3 02N1NE** | 0E019 | | J |
| **Wssolve) So) ium** | **11** | **mc/L** | **N'7N** | **N'N71** | **Mh3 02N1NE** | 0E0V4 | | J |
| **Wssolve) hotassium** | **Q1** | **mc/L** | **1'N** | **N'1N** | **Mh3 02N1NE** | KD | | J |
| Hy7roxi7e | KD | mg/L | 1E4 | 1E4 | EW8hO10E1 | KD | | O |
| **Total 3 lkalinitV as CaCg Q** | **1- N** | **mc/L** | **4'1** | **4'1** | **Mh3 0Q1N'1** | KD | | O |
| **C. lori) e** | **15** | **mc/L** | **N'7N** | **N'N29** | **Mh3 0QNN'N** | KD | | 4 |
| **Aitrate as A** | **4'7** | **mc/L** | **N'1N** | **N'N57** | **Mh3 0QNN'N** | KD | | 4 |
| **Sulfate** | **19** | **mc/L** | **1'N** | **N'18** | **Mh3 0QNN'N** | 0E01 | | 4 |
| **Wssolve) Bar) ness as CaCg Q** | **54N** | **mc/L** | **N'7N** | **N'1N** | **Cal(** | KD | | 3 |
| **Total Wssolve) Soli) s @ 18N C** | **5QN** | **mc/L** | **5N** | **5N** | **Mh3 012N'1** | KD | | V |
| ; u8S | KD | mg/L | 0E10 | 0E013 | EW8h4J3E1 | KD | | . |
| Werczlorate | KD | , g/L | 4E0 | 0E43 | EW8hO14E0 | KD | | 2 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wilution | v C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8hV010u | 02/1O/14 | 02/J3/14 10:19 | 8RD | WEhq W1 | 1 | uwH19V. |
| J | EW8hV010u | 02/1O/14 | 02/J1/14 JJ:34 | 8RD | WEhq W1 | 1 | uwH19V. |
| O | EW8hO10E1 | 02/19/14 | 02/19/14 1V:J4 | RLW | ; ETh1 | 1 | uwH1. OV |
| 4 | EW8hO00E0 | 02/13/14 | 02/13/14 03:4. | LD1 | NPJ | 1 | uwH1444 |
| 3 | Palc | 02/J0/14 | 02/J9/14 13:11 | T; S | Palc | 1 | uwH191. |
| V | EW8h1V0E1 | 02/J0/14 | 02/J0/14 11:13 | P8D | ; 8K) 8L | J | uwH190O |
| . | EW8h4J3E1 | 02/13/14 | 02/13/14 02:00 | G; K | ; 8K) 8L | 1 | uwH1O43 |
| 2 | EW8hO14E0 | 09/04/14 | 09/03/14 0. :JJ | LD1 | NPV | 1 | uwW043V |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# d etals 3 nalVsis

**ECL Sample IW:** 1412. 92h03 | **Client Sample Aame:** K. h4j 2/1O/J014 4:13:00W,

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Wssolve) 3 ntimonV** | **18** | **uc/L** | **1NN** | **4'-** | **Mh3 02N1NE** | KD | **J** | 1 |
| Dissolve7 8 rsenic | KD | , g/L | 30 | 9B | EW8 hV010u | KD | | 1 |
| **Wssolve) Earium** | **Q4** | **uc/L** | **1N** | **Q7** | **Mh3 02N1NE** | KD | | 1 |
| Dissolve7 u erylli, m | KD | , g/L | 10 | 0B0 | EW8 hV010u | KD | | 1 |
| Dissolve7 Pa7mi, m | KD | , g/L | 10 | 1B | EW8 hV010u | KD | | 1 |
| **Wssolve) C. romium** | **1'9** | **uc/L** | **1N** | **1'N** | **Mh3 02N1NE** | KD | **J** | 1 |
| **Wssolve) Cobalt** | **1'4** | **uc/L** | **7N** | **1'1** | **Mh3 02N1NE** | KD | **J** | 1 |
| **Wssolve) Copper** | **1'2** | **uc/L** | **1N** | **1'N** | **Mh3 02N1NE** | KD | **J** | 1 |
| Dissolve7 Lea7 | KD | , g/L | 30 | O3 | EW8 hV010u | 3B | | 1 |
| Dissolve7 ; erc, ry | KD | , g/L | 0B0 | 0BOO | EW8 h 4. 08 | KD | | J |
| **Wssolve) d olVb) enum** | **18** | **uc/L** | **7N** | **1'4** | **Mh3 02N1NE** | KD | **J** | 1 |
| Dissolve7 Kicl el | KD | , g/L | 10 | JB4 | EW8 hV010u | KD | | O |
| **Wssolve) Selenium** | **Q2** | **uc/L** | **1NN** | **17** | **Mh3 02N1NE** | KD | **J** | O |
| Dissolve7 Silver | KD | , g/L | 10 | 1B | EW8 hV010u | KD | | 1 |
| Dissolve7 Tzalli, m | KD | , g/L | 100 | 10 | EW8 hV010u | KD | | 1 |
| **Wssolve) Oana) ium** | **Q2** | **uc/L** | **1N** | **5'5** | **Mh3 02N1NE** | KD | **J** | 1 |
| Dissolve7 Zinc | KD | , g/L | 10 | 3B | EW8 hV010u | KD | | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wllution | v C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8 hV010u | 02/1O/14 | 02/J1/14 JJ:34 | 8 RD | WEhq W1 | 1 | uwH19V. |
| J | EW8 h 4. 08 | 02/13/14 | 02/19/14 1J:O3 | ; EU | PET8 P1 | 1 | uwH14O3 |
| O | EW8 hV010u | 02/1O/14 | 02/J3/14 10:19 | 8 RD | WEhq W1 | 1 | uwH19V. |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h0V | **Client Sample Aame:** K12huj 2/1OJ014 10:O9:008;

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen6ene | KD | , g/L | 0E30 | 0E02O | EW8r3J4B | KD | | 1 |
| uromoben6ene | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8r3J4B | KD | | 1 |
| nhu, tylben6ene | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| sechu, tylben6ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| terthu, tylben6ene | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| Pzloroben6ene | KD | , g/L | 0E30 | 0E09O | EW8r3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| Pzloroform | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8r3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jJhDibromohOhczloropropane | KD | , g/L | 1E0 | 0E14 | EW8r3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E1V | EW8r3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloroben6ene | KD | , g/L | 0E30 | 0E0. J | EW8r3J4B | KD | | 1 |
| 1jOhDiczloroben6ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1j4hDiczloroben6ene | KD | , g/L | 0E30 | 0E0VJ | EW8r3J4B | KD | | 1 |
| **Wi( . loro) ifluoromet. ane** | **5'9** | **uc/L** | **N7N** | **NhN- -** | **Mh3 0754'5** | KD | | 1 |
| 1j1hDiczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| 1j1hDiczloroetzene | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8r3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jOhDiczloropropane | KD | , g/L | 0E30 | 0E02V | EW8r3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8r3J4B | KD | | 1 |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h0V | **Client Sample Aame:** K12huj 2/1O/J014 10:O9:008;

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jOhDiczloropropene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| transh1jOhDiczloropropene | KD | , g/L | 0E30 | 0E0. 9 | EW8h3J4B | KD | | 1 |
| Etzylben6ene | KD | , g/L | 0E30 | 0E092 | EW8h3J4B | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| Mopropylben6ene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| ; etzylene czlori7e | KD | , g/L | 0E30 | 0E42 | EW8h3J4B | KD | | 1 |
| ; etzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Kapztzalene | KD | , g/L | 0E30 | 0E0V | EW8h3J4B | KD | | 1 |
| nhWopylben6ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Styrene | KD | , g/L | 0E30 | 0E0V2 | EW8h3J4B | KD | | 1 |
| 1j1j1jJhTetraczloroetzane | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| 1j1jJjJhTetraczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| **Tetra( . loroet. ene** | **- '5** | **uc/L** | **N7N** | **N1Q** | **Mh3 0754'5** | KD | | 1 |
| Tol, ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| 1jJjOhTriczloroben6ene | KD | , g/L | 0E30 | 0E1V | EW8h3J4B | KD | | 1 |
| 1jJj4hTriczloroben6ene | KD | , g/L | 0E30 | 0E19 | EW8h3J4B | KD | | 1 |
| 1j1j1hTriczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczloroetzane | KD | , g/L | 0E30 | 0E1V | EW8h3J4B | KD | | 1 |
| **Tri( . loroet. ene** | **N74** | **uc/L** | **N7N** | **NN87** | **Mh3 0754'5** | KD | | 1 |
| **Tri( . lorofluoromet. ane** | **1'8** | **uc/L** | **N7N** | **N1Q** | **Mh3 0754'5** | KD | | 1 |
| 1jJjOhTriczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczlorohjJjJhtrifl, oroetzane | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJj4hTrimetzylben6ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 1jOj3hTrimetzylben6ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 8cetone | KD | , g/L | 10 | 4EV | EW8h3J4B | KD | | 1 |
| 8crylonitrile | KD | , g/L | 3E0 | 1E | EW8h3J4B | KD | U11 | 1 |
| 8llyl czlori7e | KD | , g/L | 3E0 | 0E20 | EW8h3J4B | KD | | 1 |
| th8myl ; etzyl etzer | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9E4 | EW8h3J4B | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1E0 | 0E02 | EW8h3J4B | KD | | 1 |
| transh1j4hDiczlorohJhb, tene | KD | , g/L | 3E0 | 1E4 | EW8h3J4B | KD | | 1 |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h0V | **Client Sample Aame:** K12huj 2/1O/J014 10:C9:008;

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4B0 | 0B9. | EW8h3J4B3 | KD | | 1 |
| Etzyl tlb, tyl etzer | KD | , g/L | 0B30 | 0B12 | EW8h3J4B3 | KD | | 1 |
| JhHexanone | KD | , g/L | 10 | OB4 | EW8h3J4B3 | KD | | 1 |
| ; etzacrylonitrile | KD | , g/L | 10 | 1B | EW8h3J4B3 | KD | | 1 |
| ; etzyl etzyl I etone | KD | , g/L | 10 | JB3 | EW8h3J4B3 | KD | | 1 |
| ; etzyl io7i7e | KD | , g/L | JB0 | 0B4. | EW8h3J4B3 | KD | | 1 |
| ; etzyl isob, tyl I etone | KD | , g/L | 10 | JB1 | EW8h3J4B3 | KD | | 1 |
| ; etzyl metzacrylate | KD | , g/L | 3B0 | 1B3 | EW8h3J4B3 | KD | | 1 |
| Kitroben6ene | KD | , g/L | O0 | 1O | EW8h3J4B3 | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JB0 | 0B4O | EW8h3J4B3 | KD | | 1 |
| Wropionitrile | KD | , g/L | J0 | 4B3 | EW8h3J4B3 | KD | | 1 |
| Tetrazy7rof, ran | KD | , g/L | J0 | 3B3 | EW8h3J4B3 | KD | | 1 |
| ph& mhwylenes | KD | , g/L | 0B30 | 0B12 | EW8h3J4B3 | KD | | 1 |
| ohwylene | KD | , g/L | 0B30 | 0B02J | EW8h3J4B3 | KD | | 1 |
| 1jJhDiczloroetzaneh74 FS, rrogateX | 11. | % | . 3 h1J3 FLPL h) PLX | | EW8h3J4B3 | | | 1 |
| Tol, eneh72 FS, rrogateX | 99B/ | % | 20 h1J0 FLPL h) PLX | | EW8h3J4B3 | | | 1 |
| 4hu romofl, oroben6ene FS, rrogateX | 2. B1 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4B3 | | | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wlution | v C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8h3J4B3 | 02/19/14 | 02/19/14 13:0J | GPP | ; SHU14 | 1 | uwH1340 |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# G ater 3 nalVsis PF eneral C. emistrVH

| **ECL Sample IW:** | 1412. 92h0V | **Client Sample Aame:** | K12huj 2/1O/J014 10:C9:008; |
|---|---|---|---|

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Werczlorate | KD | , g/L | 4E0 | 0E43 | EW8hO14E0 | KD | | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wilution | y C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8hO14E0 | 09/04/14 | 09/03/14 02:04 | LD1 | MPV | 1 | uwW043V |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h0. **Client Sample Aame:** K12hPJj 2/1CJ014 11:00:008;

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen6ene | KD | , g/L | 0E30 | 0E02O | EW8h3J4B | KD | | 1 |
| uromoben6ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8h3J4B | KD | | 1 |
| nhu, tylben6ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| sechu, tylben6ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| terthu, tylben6ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| Pzloroben6ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| Pzloroform | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8h3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJhDibromohChczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E1V | EW8h3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroben6ene | KD | , g/L | 0E30 | 0E0. J | EW8h3J4B | KD | | 1 |
| 1jChDiczloroben6ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1j4hDiczloroben6ene | KD | , g/L | 0E30 | 0E0VJ | EW8h3J4B | KD | | 1 |
| Diczloro7ifl, orometzane | KD | , g/L | 0E30 | 0E099 | EW8h3J4B | KD | | 1 |
| 1j1hDiczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| 1j1hDiczloroetzene | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jChDiczloropropane | KD | , g/L | 0E30 | 0E02V | EW8h3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Wercclorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h0. **Client Sample Aame:** K12hPJj 2/1O/J014 11:00:008;

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDiczloropropene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| transh1jChDiczloropropene | KD | , g/L | 0E30 | 0E0. 9 | EW8h3J4B | KD | | 1 |
| Etzylben6ene | KD | , g/L | 0E30 | 0E092 | EW8h3J4B | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| Mopropylben6ene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| ; etzylene czlori7e | KD | , g/L | 0E30 | 0E42 | EW8h3J4B | KD | | 1 |
| ; etzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Kapztzalene | KD | , g/L | 0E30 | 0E0V | EW8h3J4B | KD | | 1 |
| nhWopylben6ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Styrene | KD | , g/L | 0E30 | 0E0V2 | EW8h3J4B | KD | | 1 |
| 1j1j1jJhTetraczloroetzane | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| 1j1jJjJhTetraczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| Tetraczloroetzene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| Tol, ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| 1jJjChTriczloroben6ene | KD | , g/L | 0E30 | 0E1V | EW8h3J4B | KD | | 1 |
| 1jJj4hTriczloroben6ene | KD | , g/L | 0E30 | 0E19 | EW8h3J4B | KD | | 1 |
| 1j1j1hTriczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczloroetzane | KD | , g/L | 0E30 | 0E1V | EW8h3J4B | KD | | 1 |
| Triczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |
| Triczlorofl, orometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJjChTriczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczlorohjJjJhtrifl, oroetzane | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJj4hTrimetzylben6ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 1jCj3hTrimetzylben6ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| **3 ( etone** | **1QN** | **uc/L** | **1N** | **4'2** | **Mh3 0754'5** | KD | | 1 |
| 8 crylonitrile | KD | , g/L | 3E0 | 1E1 | EW8h3J4B | KD | U11 | 1 |
| 8 llyl czlori7e | KD | , g/L | 3E0 | 0E20 | EW8h3J4B | KD | | 1 |
| thB myl ; etzyl etzer | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9E4 | EW8h3J4B | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1E0 | 0E02 | EW8h3J4B | KD | | 1 |
| transh1j4hDiczlorohJhb, tene | KD | , g/L | 3E0 | 1E4 | EW8h3J4B | KD | | 1 |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h0. **Client Sample Aame:** K12hPJj 2/1OJ014 11:00:008;

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4B0 | 0B9. | EW8h3J4B3 | KD | | 1 |
| Etzyl thb, tyl etzer | KD | , g/L | 0B30 | 0B12 | EW8h3J4B3 | KD | | 1 |
| JhHexanone | KD | , g/L | 10 | OB4 | EW8h3J4B3 | KD | | 1 |
| ; etzacrylonitrile | KD | , g/L | 10 | 1B | EW8h3J4B3 | KD | | 1 |
| **d et. Vl et. Vl ketone** | **57N** | **uc/L** | **1N** | **5'7** | **Mh3 0754'5** | KD | | 1 |
| ; etzyl io7i7e | KD | , g/L | JB0 | 0B4. | EW8h3J4B3 | KD | | 1 |
| ; etzyl isob, tyl I etone | KD | , g/L | 10 | JB1 | EW8h3J4B3 | KD | | 1 |
| ; etzyl metzacrylate | KD | , g/L | 3B0 | 1B3 | EW8h3J4B3 | KD | | 1 |
| Kitroben6ene | KD | , g/L | O0 | 1O | EW8h3J4B3 | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JB0 | 0B4O | EW8h3J4B3 | KD | | 1 |
| Wropionitrile | KD | , g/L | J0 | 4B3 | EW8h3J4B3 | KD | | 1 |
| **Tetra. V) rofuran** | **18NN** | **uc/L** | **1NN** | **52** | **Mh3 0754'5** | KD | **3 N1** | J |
| ph& mhwylenes | KD | , g/L | 0B30 | 0B12 | EW8h3J4B3 | KD | | 1 |
| ohwylene | KD | , g/L | 0B30 | 0B02J | EW8h3J4B3 | KD | | 1 |
| 1jJhDiczloroetzaneh74 FS, rrogateX | 112 | % | . 3 h1J3 FLPL h) PLX | | EW8h3J4B3 | | | 1 |
| 1jJhDiczloroetzaneh74 FS, rrogateX | 92B3 | % | . 3 h1J3 FLPL h) PLX | | EW8h3J4B3 | | | J |
| Tol, eneh72 FS, rrogateX | 92B3 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4B3 | | | 1 |
| Tol, eneh72 FS, rrogateX | 99B3 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4B3 | | | J |
| 4hu romofl, oroben6ene FS, rrogateX | 9OB3 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4B3 | | | 1 |
| 4hu romofl, oroben6ene FS, rrogateX | 90B9 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4B3 | | | J |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wilution | y C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8h3J4B3 | 02/19/14 | 02/19/14 13:J3 | GPP | ; SHU14 | 1 | uwH1340 |
| J | EW8h3J4B3 | 02/19/14 | 02/JJ/14 0O49 | GPP | ; SHU14 | 3 | uwH1340 |

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A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Cr0100
Wrolect ; anager: Gason Sapp

# G ater 3 nalVsis PF eneral C. emistrVH

| **ECL Sample IW:** | 1412. 92r0. | **Client Sample Aame:** | K12rPJj 2/1O/J014 11:00:008; |
|---|---|---|---|

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Werczlorate | KD | , g/L | 4E0 | 0E43 | EW8 hO14E0 | KD | | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wilution | y C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8 hO14E0 | 09/04/14 | 09/03/14 09:3V | LD1 | MPV | 1 | uwW043V |

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A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Wercclorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h02 | **Client Sample Aame:** QP8uj 2/1OJ014 1J:00:008;

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen6ene | KD | , g/L | 0E30 | 0E02O | EW8r3J4B | KD | | 1 |
| uromoben6ene | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8r3J4B | KD | | 1 |
| nhu, tylben6ene | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| sechu, tylben6ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| terthu, tylben6ene | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| Pzloroben6ene | KD | , g/L | 0E30 | 0E09O | EW8r3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| Pzloroform | KD | , g/L | 0E30 | 0E1J | EW8r3J4B | KD | | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8r3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jJhDibromohOhczloropropane | KD | , g/L | 1E0 | 0E14 | EW8r3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E1V | EW8r3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloroben6ene | KD | , g/L | 0E30 | 0E0. J | EW8r3J4B | KD | | 1 |
| 1jOhDiczloroben6ene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1j4hDiczloroben6ene | KD | , g/L | 0E30 | 0E0VJ | EW8r3J4B | KD | | 1 |
| Diczloro7ifl, orometzane | KD | , g/L | 0E30 | 0E099 | EW8r3J4B | KD | | 1 |
| 1j1hDiczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8r3J4B | KD | | 1 |
| 1j1hDiczloroetzene | KD | , g/L | 0E30 | 0E12 | EW8r3J4B | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8r3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8r3J4B | KD | | 1 |
| 1jJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1jOhDiczloropropane | KD | , g/L | 0E30 | 0E02V | EW8r3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8r3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8r3J4B | KD | | 1 |

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Plaremontj P8 91. 11

**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h02 | **Client Sample Aame:** QP8uj 2/1OJ014 1J:00:008;

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jOhDiczloropropene | KD | , g/L | 0B30 | 0B14 | EW8h3J4B3 | KD | | 1 |
| transh1jOhDiczloropropene | KD | , g/L | 0B30 | 0B0. 9 | EW8h3J4B3 | KD | | 1 |
| Etzylben6ene | KD | , g/L | 0B30 | 0B092 | EW8h3J4B3 | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0B30 | 0B1. | EW8h3J4B3 | KD | | 1 |
| Mopropylben6ene | KD | , g/L | 0B30 | 0B14 | EW8h3J4B3 | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0B30 | 0B1J | EW8h3J4B3 | KD | | 1 |
| ; etzylene czlori7e | KD | , g/L | 0B30 | 0B42 | EW8h3J4B3 | KD | | 1 |
| ; etzyl thb, tyl etzer | KD | , g/L | 0B30 | 0B11 | EW8h3J4B3 | KD | | 1 |
| Kapztzalene | KD | , g/L | 0B30 | 0B0V | EW8h3J4B3 | KD | | 1 |
| nhWopylben6ene | KD | , g/L | 0B30 | 0B11 | EW8h3J4B3 | KD | | 1 |
| Styrene | KD | , g/L | 0B30 | 0B0V2 | EW8h3J4B3 | KD | | 1 |
| 1j1j1jJhTetraczloroetzane | KD | , g/L | 0B30 | 0B12 | EW8h3J4B3 | KD | | 1 |
| 1j1jJjJhTetraczloroetzane | KD | , g/L | 0B30 | 0B1. | EW8h3J4B3 | KD | | 1 |
| Tetraczloroetzene | KD | , g/L | 0B30 | 0B1O | EW8h3J4B3 | KD | | 1 |
| Tol, ene | KD | , g/L | 0B30 | 0B09O | EW8h3J4B3 | KD | | 1 |
| 1jJjOhTriczloroben6ene | KD | , g/L | 0B30 | 0B1V | EW8h3J4B3 | KD | | 1 |
| 1jJj4hTriczloroben6ene | KD | , g/L | 0B30 | 0B19 | EW8h3J4B3 | KD | | 1 |
| 1j1j1hTriczloroetzane | KD | , g/L | 0B30 | 0B11 | EW8h3J4B3 | KD | | 1 |
| 1j1jJhTriczloroetzane | KD | , g/L | 0B30 | 0B1V | EW8h3J4B3 | KD | | 1 |
| Triczloroetzene | KD | , g/L | 0B30 | 0B023 | EW8h3J4B3 | KD | | 1 |
| Triczlorofl, orometzane | KD | , g/L | 0B30 | 0B1O | EW8h3J4B3 | KD | | 1 |
| 1jJjOhTriczloropropane | KD | , g/L | 1B0 | 0B14 | EW8h3J4B3 | KD | | 1 |
| 1j1jJhTriczlorohjJjJhtrifl, oroetzane | KD | , g/L | 0B30 | 0B13 | EW8h3J4B3 | KD | | 1 |
| 1jJj4hTrimetzylben6ene | KD | , g/L | 0B30 | 0B1J | EW8h3J4B3 | KD | | 1 |
| 1jOj3hTrimetzylben6ene | KD | , g/L | 0B30 | 0B1J | EW8h3J4B3 | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0B30 | 0B1J | EW8h3J4B3 | KD | | 1 |
| 8cetone | KD | , g/L | 10 | 4BV | EW8h3J4B3 | KD | | 1 |
| 8crylonitrile | KD | , g/L | 3B0 | 1B | EW8h3J4B3 | KD | U11 | 1 |
| 8llyl czlori7e | KD | , g/L | 3B0 | 0B20 | EW8h3J4B3 | KD | | 1 |
| thB myl ; etzyl etzer | KD | , g/L | 0B30 | 0B13 | EW8h3J4B3 | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9B4 | EW8h3J4B3 | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1B0 | 0B02 | EW8h3J4B3 | KD | | 1 |
| transh1j4hDiczlorohJhb, tene | KD | , g/L | 3B0 | 1B4 | EW8h3J4B3 | KD | | 1 |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Cr0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis RMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h02 | **Client Sample Aame:** QP8uj 2/1O/J014 1J:00:008;

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4B0 | 0B9. | EW8r3J4B3 | KD | | 1 |
| Etzyl trb, tyl etzer | KD | , g/L | 0B30 | 0B12 | EW8r3J4B3 | KD | | 1 |
| JrHexanone | KD | , g/L | 10 | OB4 | EW8r3J4B3 | KD | | 1 |
| ; etzacrylonitrile | KD | , g/L | 10 | 1B | EW8r3J4B3 | KD | | 1 |
| ; etzyl etzyl I etone | KD | , g/L | 10 | JB3 | EW8r3J4B3 | KD | | 1 |
| ; etzyl io7i7e | KD | , g/L | JB0 | 0B4. | EW8r3J4B3 | KD | | 1 |
| ; etzyl isob, tyl I etone | KD | , g/L | 10 | JB1 | EW8r3J4B3 | KD | | 1 |
| ; etzyl metzacrylate | KD | , g/L | 3B0 | 1B3 | EW8r3J4B3 | KD | | 1 |
| Kitroben6ene | KD | , g/L | O0 | 1O | EW8r3J4B3 | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JB0 | 0B4O | EW8r3J4B3 | KD | | 1 |
| Wropionitrile | KD | , g/L | J0 | 4B3 | EW8r3J4B3 | KD | | 1 |
| Tetrazy7rof, ran | KD | , g/L | J0 | 3B3 | EW8r3J4B3 | KD | | 1 |
| ph& mhwylenes | KD | , g/L | 0B30 | 0B12 | EW8r3J4B3 | KD | | 1 |
| ohwylene | KD | , g/L | 0B30 | 0B02J | EW8r3J4B3 | KD | | 1 |
| 1jJrDiczloroetzanehr74 FS, rrogateX | 11J | % | . 3 h1J3 FLPL h) PLX | | EW8r3J4B3 | | | 1 |
| Tol, enehr72 FS, rrogateX | 99BO | % | 20 h1J0 FLPL h) PLX | | EW8r3J4B3 | | | 1 |
| 4hu romofl, oroben6ene FS, rrogateX | 20B2 | % | 20 h1J0 FLPL h) PLX | | EW8r3J4B3 | | | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wlution | v C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8r3J4B3 | 02/19/14 | 02/19/14 11:33 | GPP | ; SrU14 | 1 | uwH1340 |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h09 | **Client Sample Aame:** QPTuj 2/1OJ014 1J:00:008;

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| uen6ene | KD | , g/L | 0E30 | 0E02O | EW8h3J4B | KD | | 1 |
| uromoben6ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| uromoczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromo7iczlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| uromoform | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| uromometzane | KD | , g/L | 1E0 | 0E13 | EW8h3J4B | KD | | 1 |
| nhu, tylben6ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| sechu, tylben6ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| terthu, tylben6ene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| Parbon tetraczlori7e | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| Pzloroben6ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| Pzloroetzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| Pzloroform | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Pzlorometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| JhPzlorotol, ene | KD | , g/L | 0E30 | 0E10 | EW8h3J4B | KD | | 1 |
| 4hPzlorotol, ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| Dibromoczlorometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJhDibromohOhczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1jJhDibromoetzane | KD | , g/L | 0E30 | 0E1V | EW8h3J4B | KD | | 1 |
| Dibromometzane | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroben6ene | KD | , g/L | 0E30 | 0E0. J | EW8h3J4B | KD | | 1 |
| 1jOhDiczloroben6ene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1j4hDiczloroben6ene | KD | , g/L | 0E30 | 0E0VJ | EW8h3J4B | KD | | 1 |
| Diczloro7ifl, orometzane | KD | , g/L | 0E30 | 0E099 | EW8h3J4B | KD | | 1 |
| 1j1hDiczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| 1j1hDiczloroetzene | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| cish1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |
| transh1jJhDiczloroetzene | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jOhDiczloropropane | KD | , g/L | 0E30 | 0E02V | EW8h3J4B | KD | | 1 |
| JjJhDiczloropropane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1j1hDiczloropropene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Wercclorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h09 | **Client Sample Aame:** QPTuj 2/1OJ014 1J:00:008;

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jOhDiczloropropene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| transh1jOhDiczloropropene | KD | , g/L | 0E30 | 0E0. 9 | EW8h3J4B | KD | | 1 |
| Etzylben6ene | KD | , g/L | 0E30 | 0E092 | EW8h3J4B | KD | | 1 |
| Hexaczlorob, ta7iene | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| Mopropylben6ene | KD | , g/L | 0E30 | 0E14 | EW8h3J4B | KD | | 1 |
| phMopropyltol, ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| ; etzylene czlori7e | KD | , g/L | 0E30 | 0E42 | EW8h3J4B | KD | | 1 |
| ; etzyl thb, tyl etzer | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Kapztzalene | KD | , g/L | 0E30 | 0E0V | EW8h3J4B | KD | | 1 |
| nhWopylben6ene | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| Styrene | KD | , g/L | 0E30 | 0E0V2 | EW8h3J4B | KD | | 1 |
| 1j1j1jJhTetraczloroetzane | KD | , g/L | 0E30 | 0E12 | EW8h3J4B | KD | | 1 |
| 1j1jJjJhTetraczloroetzane | KD | , g/L | 0E30 | 0E1. | EW8h3J4B | KD | | 1 |
| Tetraczloroetzene | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| Tol, ene | KD | , g/L | 0E30 | 0E09O | EW8h3J4B | KD | | 1 |
| 1jJjOhTriczloroben6ene | KD | , g/L | 0E30 | 0E1V | EW8h3J4B | KD | | 1 |
| 1jJj4hTriczloroben6ene | KD | , g/L | 0E30 | 0E19 | EW8h3J4B | KD | | 1 |
| 1j1j1hTriczloroetzane | KD | , g/L | 0E30 | 0E11 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczloroetzane | KD | , g/L | 0E30 | 0E1V | EW8h3J4B | KD | | 1 |
| Triczloroetzene | KD | , g/L | 0E30 | 0E023 | EW8h3J4B | KD | | 1 |
| Triczlorofl, orometzane | KD | , g/L | 0E30 | 0E1O | EW8h3J4B | KD | | 1 |
| 1jJjOhTriczloropropane | KD | , g/L | 1E0 | 0E14 | EW8h3J4B | KD | | 1 |
| 1j1jJhTriczlorohjJjJhtrifl, oroetzane | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| 1jJj4hTrimetzylben6ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 1jOj3hTrimetzylben6ene | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| Uinyl czlori7e | KD | , g/L | 0E30 | 0E1J | EW8h3J4B | KD | | 1 |
| 8cetone | KD | , g/L | 10 | 4EV | EW8h3J4B | KD | | 1 |
| 8crylonitrile | KD | , g/L | 3E0 | 1E | EW8h3J4B | KD | U11 | 1 |
| 8llyl czlori7e | KD | , g/L | 3E0 | 0E20 | EW8h3J4B | KD | | 1 |
| th8myl ; etzyl etzer | KD | , g/L | 0E30 | 0E13 | EW8h3J4B | KD | | 1 |
| thu, tyl alcozol | KD | , g/L | 10 | 9E4 | EW8h3J4B | KD | | 1 |
| Parbon 7is, lfi7e | KD | , g/L | 1E0 | 0E02 | EW8h3J4B | KD | | 1 |
| transh1j4hDiczlorohJhb, tene | KD | , g/L | 3E0 | 1E4 | EW8h3J4B | KD | | 1 |

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A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis RMh3 d et. o) 754'5H

**ECL Sample IW:** 1412. 92h09 | **Client Sample Aame:** QPTuj 2/1OJ014 1J:00:008;

| Constituent | Result | Units | hy L | d WL | d et. o) | d E Eias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Etzyl metzacrylate | KD | , g/L | 4B0 | 0B9. | EW8h3J4B3 | KD | | 1 |
| Etzyl tlb, tyl etzer | KD | , g/L | 0B30 | 0B12 | EW8h3J4B3 | KD | | 1 |
| JhHexanone | KD | , g/L | 10 | OB4 | EW8h3J4B3 | KD | | 1 |
| ; etzacrylonitrile | KD | , g/L | 10 | 1B | EW8h3J4B3 | KD | | 1 |
| ; etzyl etzyl I etone | KD | , g/L | 10 | JB3 | EW8h3J4B3 | KD | | 1 |
| ; etzyl io7i7e | KD | , g/L | JB0 | 0B4. | EW8h3J4B3 | KD | | 1 |
| ; etzyl isob, tyl I etone | KD | , g/L | 10 | JB1 | EW8h3J4B3 | KD | | 1 |
| ; etzyl metzacrylate | KD | , g/L | 3B0 | 1B3 | EW8h3J4B3 | KD | | 1 |
| Kitroben6ene | KD | , g/L | O0 | 1O | EW8h3J4B3 | KD | U11 | 1 |
| Wentaczloroetzane | KD | , g/L | JB0 | 0B4O | EW8h3J4B3 | KD | | 1 |
| Wropionitrile | KD | , g/L | J0 | 4B3 | EW8h3J4B3 | KD | | 1 |
| Tetrazy7rof, ran | KD | , g/L | J0 | 3B3 | EW8h3J4B3 | KD | | 1 |
| ph& mhwylenes | KD | , g/L | 0B30 | 0B12 | EW8h3J4B3 | KD | | 1 |
| ohwylene | KD | , g/L | 0B30 | 0B02J | EW8h3J4B3 | KD | | 1 |
| 1jJhDiczloroetzanehr74 FS, rrogateX | 11O | % | . 3 h1J3 FLPL h) PLX | | EW8h3J4B3 | | | 1 |
| Tol, enehr72 FS, rrogateX | 9. BV | % | 20 h1J0 FLPL h) PLX | | EW8h3J4B3 | | | 1 |
| 4hu romofl, oroben6ene FS, rrogateX | 2. B3 | % | 20 h1J0 FLPL h) PLX | | EW8h3J4B3 | | | 1 |

| Run # | d et. o) | hrep Wate | Run Wate/Time | 3 nalVst | Instrument | Wlution | v C Eat( . IW |
|---|---|---|---|---|---|---|---|
| 1 | EW8h3J4B3 | 02/19/14 | 02/19/14 11:QJ | GPP | ; SHU14 | 1 | uwH1340 |

A eologic 8 ssociates
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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Wercclorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

## y ualitV Control Report 0d et. o) Elank 3 nalVsis

| Constituent | y C Sample IW | d E Result | Units | hy L | d WL | Lab y uals |
|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B174N** | | | | | | |
| uen6ene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B02O | |
| uromoben6ene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B1O | |
| uromoczlorometzane | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B14 | |
| uromo7iczlorometzane | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B14 | |
| uromoform | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B1. | |
| uromometzane | uwH1340huL( 1 | KD | , g/L | 1B0 | 0B13 | |
| nhu, tylben6ene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B11 | |
| sechu, tylben6ene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B13 | |
| terthu, tylben6ene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B1O | |
| Parbon tetraczlori7e | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B12 | |
| Pzloroben6ene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B09O | |
| Pzloroetzane | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B14 | |
| Pzloroform | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B1J | |
| Pzlorometzane | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B14 | |
| JhPzlorotol, ene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B10 | |
| 4hPzlorotol, ene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B13 | |
| Dibromoczlorometzane | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B1O | |
| 1jJhDibromohOczloropropane | uwH1340huL( 1 | KD | , g/L | 1B0 | 0B14 | |
| 1jJhDibromoetzane | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B1V | |
| Dibromometzane | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B14 | |
| 1jJhDiczloroben6ene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B0. J | |
| 1jOhDiczloroben6ene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B13 | |
| 1j4hDiczloroben6ene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B0VJ | |
| Diczloro7ifl, orometzane | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B099 | |
| 1j1hDiczloroetzane | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B11 | |
| 1jJhDiczloroetzane | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B1. | |
| 1j1hDiczloroetzene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B12 | |
| cishh1jJhDiczloroetzene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B023 | |
| transh1jJhDiczloroetzene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B13 | |
| 1jJhDiczloropropane | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B1O | |
| 1jOhDiczloropropane | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B02V | |
| JjJhDiczloropropane | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B1O | |
| 1j1hDiczloropropene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B023 | |
| cishh1jOhDiczloropropene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B14 | |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Wercclorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

## y ualitV Control Report 0d et. o) Elank 3 nalVsis

| Constituent | y C Sample IW | d E Result | Units | hy L | d WL | Lab y uals |
|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B174N** | | | | | | |
| transh1jCHDiczloropropene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B0. 9 | |
| Etzylben6ene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B092 | |
| Hexaczlorob, ta7iene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B1. | |
| Mopropylben6ene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B14 | |
| phMopropyltol, ene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B1J | |
| ; etzylene czlori7e | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B42 | |
| ; etzyl thb, tyl etzer | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B11 | |
| Kapztzalene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B0V | |
| nhWopylben6ene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B11 | |
| Styrene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B0V2 | |
| 1j1j1jJHTetraczloroetzane | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B12 | |
| 1j1jJjJHTetraczloroetzane | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B1. | |
| Tetraczloroetzene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B1O | |
| Tol, ene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B09O | |
| 1jJjCHTriczloroben6ene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B1V | |
| 1jJj4HTriczloroben6ene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B19 | |
| 1j1j1HTriczloroetzane | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B11 | |
| 1j1jJHTriczloroetzane | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B1V | |
| Triczloroetzene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B023 | |
| Triczlorofl, orometzane | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B1O | |
| 1jJjCHTriczloropropane | uwH1340huL( 1 | KD | , g/L | 1B0 | 0B14 | |
| 1j1jJHTriczlorohl1jJjJHtrifl, oroetzane | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B13 | |
| 1jJj4HTrimetzylben6ene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B1J | |
| 1jC3HTrimetzylben6ene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B1J | |
| Uinyl czlori7e | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B1J | |
| 8cetone | uwH1340huL( 1 | KD | , g/L | 10 | 4BV | |
| 8crylonitrile | uwH1340huL( 1 | KD | , g/L | 3B0 | 1BJ | |
| 8llyl czlori7e | uwH1340huL( 1 | KD | , g/L | 3B0 | 0B20 | |
| th8myl ; etzyl etzer | uwH1340huL( 1 | KD | , g/L | 0B30 | 0BJ3 | |
| thu, tyl alcozol | uwH1340huL( 1 | KD | , g/L | 10 | 9B4 | |
| Parbon 7is, lfi7e | uwH1340huL( 1 | KD | , g/L | 1B0 | 0B02 | |
| transh1j4HDiczlorohJHb, tene | uwH1340huL( 1 | KD | , g/L | 3B0 | 1B4 | |
| Etzyl metzacrylate | uwH1340huL( 1 | KD | , g/L | 4B0 | 0B9. | |
| Etzyl thb, tyl etzer | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B12 | |

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J30 C Bdirst StBS, ite JJ2
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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

## y ualitV Control Report 0d et. o) Elank 3 nalVsis

| Constituent | y C Sample IW | d E Result | Units | hy L | d WL | Lab y uals |
|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B174N** | | | | | | |
| JlHHexanone | uwH1340huL( 1 | KD | , g/L | 10 | OB4 | |
| ; etzacrylonitrile | uwH1340huL( 1 | KD | , g/L | 10 | 1B | |
| ; etzyl etzyl I etone | uwH1340huL( 1 | KD | , g/L | 10 | JB3 | |
| ; etzyl io7i7e | uwH1340huL( 1 | KD | , g/L | JB0 | 0B4. | |
| ; etzyl isob, tyl I etone | uwH1340huL( 1 | KD | , g/L | 10 | JB1 | |
| ; etzyl metzacrylate | uwH1340huL( 1 | KD | , g/L | 3B0 | 1B3 | |
| Kitroben6ene | uwH1340huL( 1 | KD | , g/L | O0 | 1O | |
| Wentaczloroetzane | uwH1340huL( 1 | KD | , g/L | JB0 | 0B4O | |
| Wropionitrile | uwH1340huL( 1 | KD | , g/L | J0 | 4BJ | |
| Tetrazy7rof, ran | uwH1340huL( 1 | KD | , g/L | J0 | 3BJ | |
| ph& mhwylenes | uwH1340huL( 1 | KD | , g/L | 0B30 | 0BJ2 | |
| ohwylene | uwH1340huL( 1 | KD | , g/L | 0B30 | 0B02J | |
| **1X60W( . loroet. ane0) 4 PSurrocateH** | **E, B174N0ELK1** | **115** | % | **97 0157** | **PLCL 0UCLH** | |
| **Toluene0) 8 PSurrocateH** | **E, B174N0ELK1** | **- 9'N** | % | **8N 015N** | **PLCL 0UCLH** | |
| **40Eromofluorobenzene PSurrocateH** | **E, B174N0ELK1** | **84'8** | % | **8N 015N** | **PLCL 0UCLH** | |

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A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

## y ualitV Control Report 0 LaboratorV Control Sample

| Constituent | y C Sample IW | TVpe | Result | Spike Level | Units | her( ent Re( overV | RhW | Control Limits her( ent Re( overV | RhW | Lab y uals |
|---|---|---|---|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B174N** | | | | | | | | | | |
| uen6ene | uwH1340huS1 | LPS | JOB/1O | J3E000 | , g/L | 94E3 | | . 0 h1C0 | | |
| uromo7iczlorometzane | uwH1340huS1 | LPS | J3E104 | J3E000 | , g/L | 100 | | . 0 h1C0 | | |
| Pzloroben6ene | uwH1340huS1 | LPS | JJE19J | J3E000 | , g/L | 22E2 | | . 0 h1C0 | | |
| Pzloroetzane | uwH1340huS1 | LPS | JOE/C9 | J3E000 | , g/L | 9CE0 | | . 0 h1C0 | | |
| 1j4hDiczloroben6ene | uwH1340huS1 | LPS | J3EDV1 | J3E000 | , g/L | 101 | | . 0 h1C0 | | |
| 1j1hDiczloroetzane | uwH1340huS1 | LPS | J4E/1V | J3E000 | , g/L | 9VE9 | | . 0 h1C0 | | |
| 1j1hDiczloroetzene | uwH1340huS1 | LPS | J. E4. J | J3E000 | , g/L | 110 | | . 0 h1C0 | | |
| Tol, ene | uwH1340huS1 | LPS | JOE13V | J3E000 | , g/L | 9JE/ | | . 0 h1C0 | | |
| Triczloroetzene | uwH1340huS1 | LPS | J. E31J | J3E000 | , g/L | 110 | | . 0 h1C0 | | |
| 1jJhDiczloroetzaneh74 FS, rrogateX | uwH1340huS1 | LPS | 11B/90 | 10E000 | , g/L | 11. | | . 3 h1J3 | | |
| Tol, eneh72 FS, rrogateX | uwH1340huS1 | LPS | 9E9C00 | 10E000 | , g/L | 99E0 | | 20 h1J0 | | |
| 4huromofl, oroben6ene FS, rrogateX | uwH1340huS1 | LPS | 10E420 | 10E000 | , g/L | 103 | | 20 h1J0 | | |

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J30 C Bdirst StBS, ite JJ2
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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Wercclorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Oolatile g rcani( 3 nalVsis PMh3 d et. o) 754'5H

## y ualitV Control Report 0hre( ision & 3 ( ( ura( V

| Constituent | TVpe | Sour( e Sample IW | Sour( e Result | Result | Spike 3 ) ) e) | Units | RhW | her( ent Re( overV | Control Limits RhW | her( ent Re( overV | Lab y uals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B174N** | ) se7 client sample: K | | | | | | | | | | |
| uen6ene | ; S | 1412V3Ch01 | KD | JCB040 | J3B000 | , g/L | | 9CB4 | | . 0 h1C0 | |
| | ; SD | 1412V3Ch01 | KD | JJB C. | J3B000 | , g/L | JBV | 90B9 | J0 | . 0 h1C0 | |
| uromo7iczlorometzane | ; S | 1412V3Ch01 | KD | J4BV31 | J3B000 | , g/L | | 92BV | | . 0 h1C0 | |
| | ; SD | 1412V3Ch01 | KD | J4B031 | J3B000 | , g/L | JB3 | 9VB3 | J0 | . 0 h1C0 | |
| Pzloroben6ene | ; S | 1412V3Ch01 | KD | JJB0V. | J3B000 | , g/L | | 22B0 | | . 0 h1C0 | |
| | ; SD | 1412V3Ch01 | KD | J1B4C0 | J3B000 | , g/L | JB9 | 23B | J0 | . 0 h1C0 | |
| Pzloroetzane | ; S | 1412V3Ch01 | KD | J4B11V | J3B000 | , g/L | | 9VB3 | | . 0 h1C0 | |
| | ; SD | 1412V3Ch01 | KD | JCB31O | J3B000 | , g/L | CB2 | 9JB9 | J0 | . 0 h1C0 | |
| 1j4hDiczloroben6ene | ; S | 1412V3Ch01 | KD | J4BV29 | J3B000 | , g/L | | 92B2 | | . 0 h1C0 | |
| | ; SD | 1412V3Ch01 | KD | J4B1C. | J3B000 | , g/L | JB0 | 9VB3 | J0 | . 0 h1C0 | |
| 1j1hDiczloroetzane | ; S | 1412V3Ch01 | KD | JCB4. 2 | J3B000 | , g/L | | 9CB9 | | . 0 h1C0 | |
| | ; SD | 1412V3Ch01 | KD | JCB340 | J3B000 | , g/L | 1B0 | 9CB0 | J0 | . 0 h1C0 | |
| 1j1hDiczloroetzene | ; S | 1412V3Ch01 | KD | J. B192 | J3B000 | , g/L | | 109 | | . 0 h1C0 | |
| | ; SD | 1412V3Ch01 | KD | JVB3J9 | J3B000 | , g/L | 4B0 | 103 | J0 | . 0 h1C0 | |
| Tol, ene | ; S | 1412V3Ch01 | KD | JJB2. . | J3B000 | , g/L | | 91B3 | | . 0 h1C0 | |
| | ; SD | 1412V3Ch01 | KD | J1B9JJ | J3B000 | , g/L | 4B0 | 2. B | J0 | . 0 h1C0 | |
| Triczloroetzene | ; S | 1412V3Ch01 | KD | J3B121 | J3B000 | , g/L | | 101 | | . 0 h1C0 | |
| | ; SD | 1412V3Ch01 | KD | JCB2. 3 | J3B000 | , g/L | 3B0 | 93B3 | J0 | . 0 h1C0 | |
| 1jJhDiczloroetzaneh74 FS, rrogateX | ; S | 1412V3Ch01 | KD | 11B330 | 10B000 | , g/L | | 11V | | . 3 h1J3 | |
| | ; SD | 1412V3Ch01 | KD | 11B. 0 | 10B000 | , g/L | 1B9 | 112 | | . 3 h1J3 | |
| Tol, eneh72 FS, rrogateX | ; S | 1412V3Ch01 | KD | 9B9C00 | 10B000 | , g/L | | 99B0 | | 20 h1J0 | |
| | ; SD | 1412V3Ch01 | KD | 9BV200 | 10B000 | , g/L | JB3 | 9VB2 | | 20 h1J0 | |
| 4hromofl, oroben6ene FS, rrogateX | ; S | 1412V3Ch01 | KD | 10B1V0 | 10B000 | , g/L | | 10J | | 20 h1J0 | |
| | ; SD | 1412V3Ch01 | KD | 10B4. 0 | 10B000 | , g/L | CB0 | 103 | | 20 h1J0 | |

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A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# g rcano( . lorine hesti( i) es an) hCExs PMh3 d et. o) 8N8NH

## y ualitV Control Report 0d et. o) Elank 3 nalVsis

| Constituent | y C Sample IW | d E Result | Units | hy L | d WL | Lab y uals |
|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B57N7** | | | | | | |
| 8l7rin | uwHJ303huL( 1 | KD | , g/L | 0E0030 | 0E0001O | |
| alpzahuHP | uwHJ303huL( 1 | KD | , g/L | 0E0030 | 0E0011 | |
| betahuHP | uwHJ303huL( 1 | KD | , g/L | 0E0030 | 0E00J1 | |
| 7eltahuHP | uwHJ303huL( 1 | KD | , g/L | 0E0030 | 0E0014 | |
| gammahuHP FLin7aneX | uwHJ303huL( 1 | KD | , g/L | 0E0030 | 0E00094 | |
| Pzlor7ane FTecznicalX | uwHJ303huL( 1 | KD | , g/L | 0E30 | 0E02 | |
| 4j4'hDDD | uwHJ303huL( 1 | KD | , g/L | 0E0030 | 0E001. | |
| 4j4'hDDE | uwHJ303huL( 1 | KD | , g/L | 0E0030 | 0E0019 | |
| 4j4'hDDT | uwHJ303huL( 1 | KD | , g/L | 0E0030 | 0E000. V | |
| Diel7rin | uwHJ303huL( 1 | KD | , g/L | 0E0030 | 0E001J | |
| En7os, lfan M | uwHJ303huL( 1 | KD | , g/L | 0E0030 | 0E001V | |
| En7os, lfan MM | uwHJ303huL( 1 | KD | , g/L | 0E0030 | 0E0014 | |
| En7os, lfan s, lfate | uwHJ303huL( 1 | KD | , g/L | 0E0030 | 0E00JV | |
| En7rin | uwHJ303huL( 1 | KD | , g/L | 0E0030 | 0E0002J | |
| En7rin al7ezy7e | uwHJ303huL( 1 | KD | , g/L | 0E010 | 0E00QJ | |
| Heptaczlor | uwHJ303huL( 1 | KD | , g/L | 0E0030 | 0E001J | |
| Heptaczlor epoxi7e | uwHJ303huL( 1 | KD | , g/L | 0E0030 | 0E00099 | |
| ; etzoxyczlor | uwHJ303huL( 1 | KD | , g/L | 0E0030 | 0E0011 | |
| Toxapzene | uwHJ303huL( 1 | KD | , g/L | JE0 | 0E4J | |
| WPuh101V | uwHJ303huL( 1 | KD | , g/L | 0E30 | 0E043 | |
| WPuh1JJ1 | uwHJ303huL( 1 | KD | , g/L | 0E30 | 0E0. 0 | |
| WPuh1JQJ | uwHJ303huL( 1 | KD | , g/L | 0E30 | 0E021 | |
| WPuh1J4J | uwHJ303huL( 1 | KD | , g/L | 0E30 | 0E0V3 | |
| WPuh1J42 | uwHJ303huL( 1 | KD | , g/L | 0E30 | 0E023 | |
| WPuh1J34 | uwHJ303huL( 1 | KD | , g/L | 0E30 | 0E0. . | |
| WPuh1JV0 | uwHJ303huL( 1 | KD | , g/L | 0E30 | 0E0V0 | |
| Total WPu's FS, mmationX | uwHJ303huL( 1 | KD | , g/L | 0E30 | 0E10 | |
| **TCd , FSurrocateH** | **E, B57N70ELK1** | **1N4** | % | **4N014N FLCL 0UCLH** | | |
| **We( a( . lorobip. enVl FSurrocateH** | **E, B57N70ELK1** | **1N5** | % | **4N015N FLCL 0UCLH** | | |

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A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# g rcano( . lorine hesti( i) es an) hCExs PMh3 d et. o) 8N8NH

## y ualitV Control Report 0 LaboratorV Control Sample

| Constituent | y C Sample IW | TVpe | Result | Spike Level | Units | her( ent Re( overV | RhW | Control Limits her( ent Re( overV | RhW | Lab y uals |
|---|---|---|---|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B57N7** | | | | | | | | | | |
| 8I7rin | uwHJ303huS1 | LPS | 0B1J1O1 | 0B13000 | , g/L | 20B9 | | V0 h1C0 | | |
| gammahu HP FLin7aneX | uwHJ303huS1 | LPS | 0B1JO91 | 0B13000 | , g/L | 2JBV | | V0 h1C0 | | |
| 4j4'HDDT | uwHJ303huS1 | LPS | 0B1JOV9 | 0B13000 | , g/L | 2JB3 | | V0 h1C0 | | |
| Diel7rin | uwHJ303huS1 | LPS | 0B13J9V | 0B13000 | , g/L | 10J | | V0 h1C0 | | |
| En7rin | uwHJ303huS1 | LPS | 0B1. 401 | 0B13000 | , g/L | 11V | | V0 h1C0 | | |
| Heptaczlor | uwHJ303huS1 | LPS | 0B1JO4J | 0B13000 | , g/L | 2JBO | | V0 h1C0 | | |
| TP; w FS, rrogateX | uwHJ303huS1 | LPS | 0B00CO | 0B00000 | , g/L | 101 | | 40 h140 | | |
| Decaczlorobipzenyl FS, rrogateX | uwHJ303huS1 | LPS | 0B J920 | 0B 3000 | , g/L | 9. BO | | 40 h1J0 | | |

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A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# g rcano( . lorine hesti( i) es an) hCExs FMh3 d et. o) 8N8NH

## y ualitV Control Report 0hre( ision & 3 ( ( ura( V

| Constituent | TVpe | Sour( e Sample IW | Sour( e Result | Result | Spike 3 ) ) e) | Units | RhW | her( ent Re( overV | Control Limits RhW | her( ent Re( overV | Lab y uals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B57N7** | ) se7 client sample: K | | | | | | | | | | |
| 8I7rin | ; S | 141V1QJh9. | KD | 0B1J4V3 | 0B13000 | , g/L | | 2CB1 | | 30 h1C0 | |
| | ; SD | 141V1QJh9. | KD | 0B1JJ. 3 | 0B13000 | , g/L | 1B3 | 21B2 | C0 | 30 h1C0 | |
| gammahu HP FLin7aneX | ; S | 141V1QJh9. | KD | 0B1CC9O | 0B13000 | , g/L | | 29B0 | | V0 h1C0 | |
| | ; SD | 141V1QJh9. | KD | 0B1J9. 1 | 0B13000 | , g/L | CB1 | 2VB3 | C0 | V0 h1C0 | |
| 4j4'hDDT | ; S | 141V1QJh9. | KD | 0B1C. CJ | 0B13000 | , g/L | | 91B3 | | V0 h1C0 | |
| | ; SD | 141V1QJh9. | KD | 0B1J29V | 0B13000 | , g/L | VB0 | 2VB0 | C0 | V0 h1C0 | |
| Diel7rin | ; S | 141V1QJh9. | KD | 0B1VCJJ | 0B13000 | , g/L | | 109 | | V3 h1C0 | |
| | ; SD | 141V1QJh9. | KD | 0B1332O | 0B13000 | , g/L | 4BV | 104 | C0 | V3 h1C0 | |
| En7rin | ; S | 141V1QJh9. | KD | 0B1290. | 0B13000 | , g/L | | 1JV | | V0 h1C0 | |
| | ; SD | 141V1QJh9. | KD | 0B120J1 | 0B13000 | , g/L | 4B2 | 1J0 | C0 | V0 h1C0 | |
| Heptaczlor | ; S | 141V1QJh9. | KD | 0B1J2C4 | 0B13000 | , g/L | | 23BV | | 30 h1C0 | |
| | ; SD | 141V1QJh9. | KD | 0B1J3. 2 | 0B13000 | , g/L | JB0 | 2CB9 | C0 | 30 h1C0 | |
| TP; w FS, rrogateX | ; S | 141V1QJh9. | KD | 0B0C1. J4 | 0B00000 | , g/L | | 10V | | 40 h140 | |
| | ; SD | 141V1QJh9. | KD | 0B0CJ4C8 | 0B00000 | , g/L | JB1 | 102 | | 40 h140 | |
| Decaczlorobipzenyl FS, rrogateX | ; S | 141V1QJh9. | KD | 0B 40. 1 | 0B 3000 | , g/L | | 92B2 | | 40 h1J0 | |
| | ; SD | 141V1QJh9. | KD | 0B 01J2 | 0B 3000 | , g/L | 3B3 | 9CB3 | | 40 h1J0 | |

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J30 C Bdirst StBS, ite JJ2
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Wrolect: Rialto Wercz lorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# g rcanoch. osp. orus hesti( i) e 3 nalVsis FMh3 d et. o) 8141EH

## y ualitV Control Report 0d et. o) Elank 3 nalVsis

| Constituent | y C Sample IW | d E Result | Units | hy L | d WL | Lab y uals |
|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B1924** | | | | | | |
| 86inpzos metzyl | uwH1. V4huL( 1 | KD | , g/L | 0B/0 | 0B033 | |
| uolstar | uwH1. V4huL( 1 | KD | , g/L | 0B/0 | 0B033 | |
| Pzlorpyrifos | uwH1. V4huL( 1 | KD | , g/L | 0B/0 | 0B010 | |
| Po, mapzos | uwH1. V4huL( 1 | KD | , g/L | 0B/0 | 0B034 | |
| Demeton q /S | uwH1. V4huL( 1 | KD | , g/L | 0B/0 | 0BJV | |
| Dia6inon | uwH1. V4huL( 1 | KD | , g/L | 0B/0 | 0B044 | |
| Diczlorvos | uwH1. V4huL( 1 | KD | , g/L | 0B/0 | 0B. 0 | |
| Dis, lfoton | uwH1. V4huL( 1 | KD | , g/L | 0B30 | 0BOC9 | |
| Etzoprop | uwH1. V4huL( 1 | KD | , g/L | 0B/0 | 0BJ3 | |
| dens, lfotzion | uwH1. V4huL( 1 | KD | , g/L | 0B/0 | 0B022 | |
| dentzion | uwH1. V4huL( 1 | KD | , g/L | 0B/0 | 0BOCO | |
| ; erpzos | uwH1. V4huL( 1 | KD | , g/L | 0B/0 | 0B032 | |
| ; etzyl paratzion | uwH1. V4huL( 1 | KD | , g/L | 0B/0 | 0B. 4 | |
| ; evinpzos | uwH1. V4huL( 1 | KD | , g/L | 0B/0 | 0B3O | |
| Kale7 | uwH1. V4huL( 1 | KD | , g/L | 0B/0 | 0B. J | |
| Wzorate | uwH1. V4huL( 1 | KD | , g/L | 0B/0 | 0B041 | |
| Ronnel FdenczlorpzosX | uwH1. V4huL( 1 | KD | , g/L | 0B/0 | 0BV. | |
| Stiropzos FTetraczlorvinpzosX | uwH1. V4huL( 1 | KD | , g/L | 0B/0 | 0B4V | |
| Tol , tzion FWotziofosX | uwH1. V4huL( 1 | KD | , g/L | 0B/0 | 0BOJ | |
| Triczloronate | uwH1. V4huL( 1 | KD | , g/L | 0B/0 | 0BO2 | |
| **Trip. enVlp. osp. ate FSurrocateH** | **E, B1924ELK1** | **1N9** | % | **7N014N FLCL 0UCLH** | | |

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A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# g rcanoCh. osp. orus hesti( i) e 3 nalVsis RMh3 d et. o) 8141EH

## y ualitV Control Report 0 LaboratorV Control Sample

| Constituent | y C Sample IW | TVpe | Result | Spike Level | Units | her( ent Re( overV | RhW | Control Limits her( ent Re( overV | RhW | Lab y uals |
|---|---|---|---|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B1924** | | | | | | | | | | |
| uolstar | uwH1. V4hu S1 | LPS | 0B3V000 | 0B20000 | , g/L | . 0B0 | | 30 h1C0 | | |
| Pzlorpyrifos | uwH1. V4hu S1 | LPS | 0B/9300 | 0B20000 | , g/L | 2VB9 | | V0 h1J0 | | |
| Dia6inon | uwH1. V4hu S1 | LPS | 0B 4300 | 0B20000 | , g/L | 9CB1 | | V0 h1C0 | | |
| ; etzyl paratzion | uwH1. V4hu S1 | LPS | 0B/4000 | 0B20000 | , g/L | 20B0 | | V0 h1J0 | | |
| ; evinpzos | uwH1. V4hu S1 | LPS | 0B/C300 | 0B20000 | , g/L | . 9B4 | | 30 h1J0 | | |
| Ronnel FdenczlorpzosX | uwH1. V4hu S1 | LPS | 0B/. 300 | 0B20000 | , g/L | 24B4 | | 30 h1J0 | | |
| Stiropzos FTetraczlorvinpzosX | uwH1. V4hu S1 | LPS | 0B J300 | 0B20000 | , g/L | 90B/ | | 30 h1J0 | | |
| Tripzenylpzospzate FS, rrogateX | uwH1. V4hu S1 | LPS | JB4000 | JB3000 | , g/L | 9VB0 | | 30 h140 | | |

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A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# g rcanoOh. osp. orus hesti( i) e 3 nalVsis FMh3 d et. o) 8141EH

## y ualitV Control Report 0hre( ision & 3 ( ( ura( V

| Constituent | TVpe | Sour( e Sample IW | Sour( e Result | Result | Spike 3 ) ) e) | Units | RhW | her( ent Re( overV | Control Limits RhW | her( ent Re( overV | Lab y uals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B1924** | ) se7 client sample: K | | | | | | | | | | |
| uolstar | ; S | 141V1QJh . | KD | 0B32300 | 0B20000 | , g/L | | . OB1 | | V0 h1J0 | |
| | ; SD | 141V1QJh . | KD | 0B39000 | 0B20000 | , g/L | 0B9 | . OB2 | C0 | V0 h1J0 | |
| Pzlorpyrifos | ; S | 141V1QJh . | KD | 0B 4000 | 0B20000 | , g/L | | 9JB3 | | V0 h1J0 | |
| | ; SD | 141V1QJh . | KD | 0B 1000 | 0B20000 | , g/L | 4B1 | 22B2 | C0 | V0 h1J0 | |
| Dia6inon | ; S | 141V1QJh . | KD | 0B 3300 | 0B20000 | , g/L | | 94B4 | | V0 h1C0 | |
| | ; SD | 141V1QJh . | KD | 0B 4000 | 0B20000 | , g/L | JB0 | 9JB3 | C0 | V0 h1C0 | |
| ; etzyl paratzion | ; S | 141V1QJh . | KD | 0BV2000 | 0B20000 | , g/L | | 23B0 | | V0 h1J0 | |
| | ; SD | 141V1QJh . | KD | 0BV3300 | 0B20000 | , g/L | CB | 21B9 | C0 | V0 h1J0 | |
| ; evinpzos | ; S | 141V1QJh . | KD | 0BVV300 | 0B20000 | , g/L | | 2CB1 | | 30 h1J0 | |
| | ; SD | 141V1QJh . | KD | 0BV4300 | 0B20000 | , g/L | CB1 | 20BV | C0 | 30 h1J0 | |
| Ronnel FdenczlorpzosX | ; S | 141V1QJh . | KD | 0B 0000 | 0B20000 | , g/L | | 2. B3 | | 30 h1J0 | |
| | ; SD | 141V1QJh . | KD | 0BV. 000 | 0B20000 | , g/L | 4B4 | 2CB2 | C0 | 30 h1J0 | |
| Stiropzos FTetraczlorvinpzosX | ; S | 141V1QJh . | KD | 0B 2300 | 0B20000 | , g/L | | 92B1 | | 30 h1J0 | |
| | ; SD | 141V1QJh . | KD | 0B . 300 | 0B20000 | , g/L | 1BO | 9VB9 | C0 | 30 h1J0 | |
| Tripzenylpzospzate FS, rrogateX | ; S | 141V1QJh . | KD | JB3J30 | JB3000 | , g/L | | 101 | | 30 h140 | |
| | ; SD | 141V1QJh . | KD | JB4300 | JB3000 | , g/L | CB0 | 92B0 | | 30 h140 | |

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A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Cr0100
Wrolect ; anager: Gason Sapp

# C. lorinate) Berbi( i) es PMh3 d et. o) 81713 H

## y ualitV Control Report 0d et. o) Elank 3 nalVsis

| Constituent | y C Sample IW | d E Result | Units | hy L | d WL | Lab y uals |
|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B5Q49** | | | | | | |
| Jj4rD | uwHJO4. huL( 1 | KD | , g/L | 0E40 | 0E0V3 | |
| Jj4rDu | uwHJO4. huL( 1 | KD | , g/L | CE0 | 0E0J | |
| Dalapon | uwHJO4. huL( 1 | KD | , g/L | 10 | JE4 | |
| Dicamba | uwHJO4. huL( 1 | KD | , g/L | 0E020 | 0E0Q | |
| Diczloroprop | uwHJO4. huL( 1 | KD | , g/L | 0E30 | 0E01J | |
| Dinoseb | uwHJO4. huL( 1 | KD | , g/L | 0E10 | 0E040 | |
| Jj4j3hT | uwHJO4. huL( 1 | KD | , g/L | 0E090 | 0E01J | |
| Jj4j3hTWFSilvexX | uwHJO4. huL( 1 | KD | , g/L | 0E0. 0 | 0E01V | |
| **5X40W( . lorop. enVla( eti( a( i) RSurrocateH** | **E, B5Q490ELK1** | **95'8** | % | **QN014N RLCL 0UCLH** | | |

A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# C. lorinate) Berbi( i) es PMh3 d et. o) 81713 H

## y ualitV Control Report 0 LaboratorV Control Sample

| Constituent | y C Sample IW | TVpe | Result | Spike Level | Units | her( ent Re( overV | RhW | Control Limits her( ent Re( overV | RhW | Lab y uals |
|---|---|---|---|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B5Q49** | | | | | | | | | | |
| Jj4hD | uwHJO4. huS1 | LPS | JB0V00 | JB4000 | , g/L | 92B0 | | V0 h1C0 | | |
| Jj4hDu | uwHJO4. huS1 | LPS | 3B9J00 | 3B4000 | , g/L | 110 | | V0 h1C0 | | |
| Dicamba | uwHJO4. huS1 | LPS | 0B39000 | 0BV0000 | , g/L | 92B0 | | 30 h1J0 | | |
| Diczloroprop | uwHJO4. huS1 | LPS | JB1. 00 | JB4000 | , g/L | 90B4 | | 30 h1J0 | | |
| Dinoseb | uwHJO4. huS1 | LPS | 0B 9000 | 1B0000 | , g/L | V3B2 | | 40 h1J0 | | |
| Jj4j3hT | uwHJO4. huS1 | LPS | 0BV4000 | 0BV0000 | , g/L | 10. | | V0 h1C0 | | |
| Jj4j3hTWFSilvexX | uwHJO4. huS1 | LPS | 0B31000 | 0BV0000 | , g/L | 23B0 | | 30 h1C0 | | |
| Jj4hDiczloropzenylacetic aci7 FS, rrogate> | uwHJO4. huS1 | LPS | JB9400 | 4B0000 | , g/L | . CB3 | | C0 h140 | | |

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|---|---|
| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) :** 09/02/J014 11:0V<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Ch0100<br>Wrolect ; anager: Gason Sapp |

# C. lorinate) Berbi( i) es PMh3 d et. o) 81713 H

## y ualitV Control Report 0hre( ision & 3 ( ( ura( V

| Constituent | TVpe | Sour( e Sample IW | Sour( e Result | Result | Spike 3 ) ) e) | Units | RhW | her( ent Re( overV | Control Limits RhW | her( ent Re( overV | Lab y uals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B5Q49** | ) se7 client sample: K | | | | | | | | | | |
| Jj4hD | ; S | 141V1QJh20 | KD | JB4400 | JB4000 | , g/L | | 10J | | 30 h1C0 | |
| | ; SD | 141V1QJh20 | KD | JB0.00 | JB4000 | , g/L | JB9 | 92B2 | C0 | 30 h1C0 | |
| Jj4hDu | ; S | 141V1QJh20 | KD | VB0C00 | 3B4000 | , g/L | | 11J | | V0 h1C0 | |
| | ; SD | 141V1QJh20 | KD | 3BVV00 | 3B4000 | , g/L | VB0 | 103 | C0 | V0 h1C0 | |
| **Wl( amba** | ; S | **14121Q508N** | **AW** | **N'21NNN** | **N'2NNNN** | **uc/L** | | **1N5** | | **7N015N** | |
| | ; SD | **14121Q508N** | **AW** | **N'44NNN** | **N'2NNNN** | **uc/L** | **Q5'4** | **9QQ** | **QN** | **7N015N** | **y N5** |
| Diczloroprop | ; S | 141V1QJh20 | KD | JB1V00 | JB4000 | , g/L | | 90B0 | | 30 h1J0 | |
| | ; SD | 141V1QJh20 | KD | JB1100 | JB4000 | , g/L | JB0 | 9JB1 | C0 | 30 h1J0 | |
| Dinoseb | ; S | 141V1QJh20 | KD | 0B2. 000 | 1B1000 | , g/L | | . JB3 | | 40 h1J0 | |
| | ; SD | 141V1QJh20 | KD | 1B0V00 | 1B1000 | , g/L | 19B | 22B0 | C0 | 40 h1J0 | |
| Jj4j3hT | ; S | 141V1QJh20 | KD | 0BV3000 | 0BV0000 | , g/L | | 102 | | V0 h1C0 | |
| | ; SD | 141V1QJh20 | KD | 0B3. 000 | 0BV0000 | , g/L | 1CB1 | 93B0 | C0 | V0 h1C0 | |
| Jj4j3hTWFSilvexX | ; S | 141V1QJh20 | KD | 0B31000 | 0BV0000 | , g/L | | 23B0 | | 30 h1C0 | |
| | ; SD | 141V1QJh20 | KD | 0B3C000 | 0BV0000 | , g/L | CB2 | 22B0 | C0 | 30 h1C0 | |
| Jj4hDiczloropzenylacetic aci7 FS, rrogate | ; S | 141V1QJh20 | KD | CB9100 | 4B0000 | , g/L | | . 3B1 | | C0 h140 | |
| | ; SD | 141V1QJh20 | KD | JB3300 | 4B0000 | , g/L | 1VB3 | VCB2 | | C0 h140 | |

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**Reporte) :** 09/02/J014 11:0V
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Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Ease Aeutral an) 3 ( i) MDtra( tables g rcani( 3 nalVsis RMh 3 d et. o) 859NCH

## y ualitV Control Report 0d et. o) Elank 3 nalVsis

| Constituent | y C Sample IW | d E Result | Units | hy L | d WL | Lab y uals |
|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B52N-** | | | | | | |
| 8 cenapztzene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E14 | |
| 8 cenapztzylene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E12 | |
| 8 I7rin | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E03 | |
| 8 niline | uwHJV09huL( 1 | KD | , g/L | 3E0 | 0B/9 | |
| 8 ntzracene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E00 | |
| u en6i7ine | uwHJV09huL( 1 | KD | , g/L | J0 | . B1 | |
| u en6o[a]antzracene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E02 | |
| u en6o[b]fl, orantzene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E41 | |
| u en6o[l ]fl, orantzene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E01 | |
| u en6o[a]pyrene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E10 | |
| u en6o[gjzji]perylene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0EJJ | |
| u en6oic aci7 | uwHJV09huL( 1 | KD | , g/L | 10 | 3E2 | |
| u en6yl alcozol | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E04 | |
| u en6yl b, tyl pztzalate | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E4. | |
| alpzahu HP | uwHJV09huL( 1 | KD | , g/L | JE0 | 0EJ. | |
| betahu HP | uwHJV09huL( 1 | KD | , g/L | JE0 | 0EJ. | |
| 7eltahu HP | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E00 | |
| gammahu HP FLin7aneX | uwHJV09huL( 1 | KD | , g/L | JE0 | 0EJJ | |
| bisFJHPzloroetzoxyXmetzane | uwHJV09huL( 1 | KD | , g/L | JE0 | 0EJ. | |
| bisFJHPzloroetzylXetzer | uwHJV09huL( 1 | KD | , g/L | JE0 | 0B/2 | |
| bisFJHPzloroisopropylXetzer | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E00 | |
| bisFJHEtzylzexylXpztzalate | uwHJV09huL( 1 | KD | , g/L | 3E0 | CE0 | |
| 4huromopzenyl pzenyl etzer | uwHJV09huL( 1 | KD | , g/L | JE0 | 0EJO | |
| 4HPzloroaniline | uwHJV09huL( 1 | KD | , g/L | JE0 | 0B/9 | |
| JHPzloronapztzalene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E04 | |
| 4HPzloropzenyl pzenyl etzer | uwHJV09huL( 1 | KD | , g/L | JE0 | 0EJO | |
| Pzrysene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0B/O | |
| 4j4'HDDD | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E42 | |
| 4j4'HDDE | uwHJV09huL( 1 | KD | , g/L | CE0 | 0E41 | |
| 4j4'HDDT | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E4O | |
| Diben6o[ajz]antzracene | uwHJV09huL( 1 | KD | , g/L | CE0 | 0EJV | |
| Diben6of, ran | uwHJV09huL( 1 | KD | , g/L | JE0 | 0EJ1 | |
| 1jJHDiczloroben6ene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E0. | |
| 1jCHDiczloroben6ene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E03 | |

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# Ease Aeutral an) 3 ( i) MDtra( tables g rcani( 3 nalVsis RMh3 d et. o) 859NCH

## y ualitV Control Report 0d et. o) Elank 3 nalVsis

| Constituent | y C Sample IW | d E Result | Units | hy L | d WL | Lab y uals |
|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B52N-** | | | | | | |
| 1j4hDiczloroben6ene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E01 | |
| CjChDiczloroben6i7ine | uwHJV09huL( 1 | KD | , g/L | 10 | 2E | |
| Diel7rin | uwHJV09huL( 1 | KD | , g/L | CE0 | 0E41 | |
| Dietzyl pztzalate | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E00 | |
| Dimetzyl pztzalate | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E09 | |
| Dihmhb, tyl pztzalate | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E09 | |
| Jj4hDinitrotol, ene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0EJV | |
| JjVhDinitrotol, ene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E41 | |
| Dihmhoctyl pztzalate | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E4V | |
| 1jJhDipzenylzy7ra6ine | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E04 | |
| En7os, lfan M | uwHJV09huL( 1 | KD | , g/L | 10 | 1E | |
| En7os, lfan MM | uwHJV09huL( 1 | KD | , g/L | 10 | 1E | |
| En7os, lfan s, lfate | uwHJV09huL( 1 | KD | , g/L | CE0 | 0E32 | |
| En7rin | uwHJV09huL( 1 | KD | , g/L | JE0 | 1E | |
| En7rin al7ezy7e | uwHJV09huL( 1 | KD | , g/L | 10 | 0EJ | |
| dl, orantzene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0EJ0 | |
| dl, orene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0EJ2 | |
| Heptaczlor | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E0J | |
| Heptaczlor epoxi7e | uwHJV09huL( 1 | KD | , g/L | JE0 | 0EJ. | |
| Hexaczloroben6ene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0EJ0 | |
| Hexaczlorob, ta7iene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0EJ4 | |
| Hexaczlorocyclopenta7iene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E00 | |
| Hexaczloroetzane | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E0J | |
| Im7eno[1jJjChc7]pyrene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0EJV | |
| Isopzorone | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E01 | |
| Jh, etzylnapztzalene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0EJ2 | |
| Kapztzalene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0EJ1 | |
| JhKapztzylamine | uwHJV09huL( 1 | KD | , g/L | J0 | 4E2 | |
| JhKitroaniline | uwHJV09huL( 1 | KD | , g/L | JE0 | 0E00 | |
| ChKitroaniline | uwHJV09huL( 1 | KD | , g/L | JE0 | 0EJV | |
| 4hKitroaniline | uwHJV09huL( 1 | KD | , g/L | 3E0 | 0E2. | |
| Kitroben6ene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0EJV | |
| KhKitroso7imetzylamine | uwHJV09huL( 1 | KD | , g/L | JE0 | 0EV1 | |
| KhKitroso7ihKhpropylamine | uwHJV09huL( 1 | KD | , g/L | JE0 | 1E0 | |

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# Ease Aeutral an) 3 ( i) MDtra( tables g rcani( 3 nalVsis RMh3 d et. o) 859NCH

## y ualitV Control Report 0d et. o) Elank 3 nalVsis

| Constituent | y C Sample IW | d E Result | Units | hy L | d WL | Lab y uals |
|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B52N-** | | | | | | |
| KHKitroso7ipzenylamine | uwHJV09huL( 1 | KD | , g/L | JE0 | 0B44 | |
| Wzenantzrene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0B30 | |
| Wyrene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0B3V | |
| 1jJj4hTriczloroben6ene | uwHJV09huL( 1 | KD | , g/L | JE0 | 0B3. | |
| 4hPzlorohOmetzylpzenol | uwHJV09huL( 1 | KD | , g/L | 3E0 | 0B40 | |
| JhPzloropzenol | uwHJV09huL( 1 | KD | , g/L | JE0 | 0BO. | |
| Jj4hDiczloropzenol | uwHJV09huL( 1 | KD | , g/L | JE0 | 0B4O | |
| Jj4hDimetzylpzenol | uwHJV09huL( 1 | KD | , g/L | JE0 | 0B30 | |
| 4jVhDinitrohJhmetzylpzenol | uwHJV09huL( 1 | KD | , g/L | 10 | 0BO4 | |
| Jj4hDinitropzenol | uwHJV09huL( 1 | KD | , g/L | 10 | 0B30 | |
| Jh; etzylpzenol | uwHJV09huL( 1 | KD | , g/L | JE0 | 1B0 | |
| Oh& 4h; etzylpzenol | uwHJV09huL( 1 | KD | , g/L | JE0 | 1BV | |
| JhKitropzenol | uwHJV09huL( 1 | KD | , g/L | JE0 | 0B32 | |
| 4hKitropzenol | uwHJV09huL( 1 | KD | , g/L | JE0 | 0B O | |
| Wentaczloropzenol | uwHJV09huL( 1 | KD | , g/L | 10 | 0B 9 | |
| Wzenol | uwHJV09huL( 1 | KD | , g/L | JE0 | 0B30 | |
| Jj4j3hTriczloropzenol | uwHJV09huL( 1 | KD | , g/L | 3E0 | 0BO1 | |
| Jj4jVhTriczloropzenol | uwHJV09huL( 1 | KD | , g/L | 3E0 | 0BV0 | |
| **506luorop. enol RSurrocateH** | **E, B52N-0ELK1** | **2N'1** | % | | **QN015N RLCL 0UCLH** | |
| **h. enol0) 7 RSurrocateH** | **E, B52N-0ELK1** | **4QQ** | % | | **15 011N RLCL 0UCLH** | |
| **Aitrobenzene0) 7 RSurrocateH** | **E, B52N-0ELK1** | **8-'N** | % | | **2N01QN RLCL 0UCLH** | |
| **506luorobip. enVl RSurrocateH** | **E, B52N-0ELK1** | **92'5** | % | | **77 0157 RLCL 0UCLH** | |
| **5X4X20Tribromop. enol RSurrocateH** | **E, B52N-0ELK1** | **82'8** | % | | **4N017N RLCL 0UCLH** | |
| **p0Terp. enVl0) 14 RSurrocateH** | **E, B52N-0ELK1** | **9-'Q** | % | | **4N017N RLCL 0UCLH** | |

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# Ease Aeutral an) 3 ( i) MDtra( tables g rcani( 3 nalVsis RMh3 d et. o) 859NCH

## y ualitV Control Report 0 LaboratorV Control Sample

| Constituent | y C Sample IW | TVpe | Result | Spike Level | Units | her( ent Re( overV | RhW | Control Limits her( ent Re( overV | RhW | Lab y uals |
|---|---|---|---|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B52N-** | | | | | | | | | | |
| 8 cenapztzene | uwHJV09huS1 | LPS | 40B3VJ | 30B000 | , g/L | 21B1 | | 30 h1J0 | | |
| 1j4hDiczloroben6ene | uwHJV09huS1 | LPS | C0B/24 | 30B000 | , g/L | V1B4 | | 30 h1J0 | | |
| Jj4hDinitrotol, ene | uwHJV09huS1 | LPS | 4CB3. | 30B000 | , g/L | 2VB3 | | 30 h1J0 | | |
| Hexaczloroben6ene | uwHJV09huS1 | LPS | C4B094 | 30B000 | , g/L | V2B1 | | V0 h1J0 | | |
| Hexaczlorob, ta7iene | uwHJV09huS1 | LPS | J1B203 | 30B000 | , g/L | 4CB/ | | 40 h110 | | |
| Hexaczloroetzane | uwHJV09huS1 | LPS | J. B13V | 30B000 | , g/L | 34BO | | 40 h1J0 | | |
| Kitroben6ene | uwHJV09huS1 | LPS | OVB1. J | 30B000 | , g/L | . JBO | | 30 h1J0 | | |
| KhKitroso7ihKhpropylamine | uwHJV09huS1 | LPS | C3B024 | 30B000 | , g/L | . 0B1 | | 30 h1J0 | | |
| Wyrene | uwHJV09huS1 | LPS | 43B1J. | 30B000 | , g/L | 90B3 | | 40 h140 | | |
| 1jJj4hTriczloroben6ene | uwHJV09huS1 | LPS | J2B312 | 30B000 | , g/L | 3. B0 | | 43 h1J0 | | |
| 4hPzlorohCmetzylpzenol | uwHJV09huS1 | LPS | 49B194 | 30B000 | , g/L | 92B/ | | 30 h1J0 | | |
| JhPzloropzenol | uwHJV09huS1 | LPS | 4JB1C0 | 30B000 | , g/L | 24BO | | 30 h1J0 | | |
| Jh; etzylpzenol | uwHJV09huS1 | LPS | 4JB3VJ | 30B000 | , g/L | 24B1 | | 40 h110 | | |
| Ch& 4h; etzylpzenol | uwHJV09huS1 | LPS | . 4BC2J | 100B0 | , g/L | . 4B4 | | 40 h110 | | |
| 4hKitropzenol | uwHJV09huS1 | LPS | J4B C3 | 30B000 | , g/L | 49B3 | | 10 h110 | | |
| Wentaczloropzenol | uwHJV09huS1 | LPS | 4VB VV | 30B000 | , g/L | 9CB3 | | C0 h1J0 | | |
| Wzenol | uwHJV09huS1 | LPS | J1B234 | 30B000 | , g/L | 4CB | | J0 h110 | | |
| Jj4jVhTriczloropzenol | uwHJV09huS1 | LPS | 49B24O | 30B000 | , g/L | 99B | | 34 h1J0 | | |
| JhdI, oropzenol FS, rrogateX | uwHJV09huS1 | LPS | 4VB9. 1 | 20B000 | , g/L | 32B | | C0 h1J0 | | |
| WzenolhV3 FS, rrogateX | uwHJV09huS1 | LPS | C1B/. 4 | 20B000 | , g/L | C9B/ | | 1J h110 | | |
| Kitroben6enehV3 FS, rrogateX | uwHJV09huS1 | LPS | VJB/91 | 20B000 | , g/L | . 2B4 | | V0 h1C0 | | |
| JhdI, orobipzenyl FS, rrogateX | uwHJV09huS1 | LPS | 3VB419 | 20B000 | , g/L | . 0B3 | | 33 h1J3 | | |
| Jj4jVhTribromopzenol FS, rrogateX | uwHJV09huS1 | LPS | . 3B1V4 | 20B000 | , g/L | 94B1 | | 40 h130 | | |
| phTerpzenylhV14 FS, rrogateX | uwHJV09huS1 | LPS | C3B91. | 40B000 | , g/L | 29B2 | | 40 h130 | | |

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# Ease Aeutral an) 3 ( i) MDtra( tables g rcani( 3 nalVsis FMh3 d et. o) 859NCH

## y ualitV Control Report 0hre( ision & 3 ( ( ura( V

| Constituent | TVpe | Sour( e Sample IW | Sour( e Result | Result | Spike 3 ) ) e) | Units | RhW | her( ent Re( overV | Control Limits RhW | her( ent Re( overV | Lab y uals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B52N-** | ) se7 client sample: K | | | | | | | | | | |
| 8 cenapztzene | ; S | 1412901hC3 | KD | 43E9VV | 30E000 | , g/L | | 91E9 | | 30 h1J0 | |
| | ; SD | 1412901hC3 | KD | 4JEJ. 0 | 30E000 | , g/L | 2E4 | 24E3 | C0 | 30 h1J0 | |
| 1j4hDiczloroben6ene | ; S | 1412901hC3 | KD | C8E331 | 30E000 | , g/L | | . 1E1 | | 4. h1J0 | |
| | ; SD | 1412901hC3 | KD | CCE090 | 30E000 | , g/L | . EJ | VVEJ | C0 | 4. h1J0 | |
| Jj4hDinitrotol, ene | ; S | 1412901hC3 | KD | 4. E4J1 | 30E000 | , g/L | | 94E2 | | 30 h1C0 | |
| | ; SD | 1412901hC3 | KD | 43EV. 0 | 30E000 | , g/L | CE2 | 91EO | C0 | 30 h1C0 | |
| Hexaczloroben6ene | ; S | 1412901hC3 | KD | C. E3J1 | 30E000 | , g/L | | . 3E0 | | VJ h1J0 | |
| | ; SD | 1412901hC3 | KD | CVE140 | 30E000 | , g/L | CE | . JEO | C0 | VJ h1J0 | |
| Hexaczlorob, ta7iene | ; S | 1412901hC3 | KD | JVE10V | 30E000 | , g/L | | 3JEJ | | 40 h110 | |
| | ; SD | 1412901hC3 | KD | JCE0C0 | 30E000 | , g/L | 11EJ | 4VE | C0 | 40 h110 | |
| Hexaczloroetzane | ; S | 1412901hC3 | KD | C1E03V | 30E000 | , g/L | | VJE1 | | 40 h1J0 | |
| | ; SD | 1412901hC3 | KD | J2E220 | 30E000 | , g/L | . EO | 3. E2 | C0 | 40 h1J0 | |
| Kitroben6ene | ; S | 1412901hC3 | KD | 4JE113 | 30E000 | , g/L | | 24EJ | | 30 h1J0 | |
| | ; SD | 1412901hC3 | KD | C2E290 | 30E000 | , g/L | 2E0 | . . E2 | C0 | 30 h1J0 | |
| KhKitroso7ihKhpropylamine | ; S | 1412901hC3 | KD | 4CE194 | 30E000 | , g/L | | 2VE4 | | 30 h1J0 | |
| | ; SD | 1412901hC3 | KD | C9E4C0 | 30E000 | , g/L | 9E1 | . 2E9 | C0 | 30 h1J0 | |
| Wyrene | ; S | 1412901hC3 | KD | 44B 42 | 30E000 | , g/L | | 29E3 | | 40 h140 | |
| | ; SD | 1412901hC3 | KD | 49E0V0 | 30E000 | , g/L | 9EJ | 92E1 | C0 | 40 h140 | |
| 1jJj4hTriczloroben6ene | ; S | 1412901hC3 | KD | CCEJ24 | 30E000 | , g/L | | VVEV | | 4Oh1J0 | |
| | ; SD | 1412901hC3 | KD | C1E090 | 30E000 | , g/L | VE2 | VJEJ | C0 | 4Oh1J0 | |
| 4hPzlorohChmetzylpzenol | ; S | 1412901hC3 | KD | 3JEV/C2 | 30E000 | , g/L | | 103 | | 30 h1J0 | |
| | ; SD | 1412901hC3 | KD | 3JE1C0 | 30E000 | , g/L | 1E0 | 104 | C0 | 30 h1J0 | |
| JhPzloropzenol | ; S | 1412901hC3 | KD | 4VE91V | 30E000 | , g/L | | 9CE2 | | 30 h1J0 | |
| | ; SD | 1412901hC3 | KD | 41E330 | 30E000 | , g/L | 1JE1 | 2CE1 | C0 | 30 h1J0 | |
| Jh; etzylpzenol | ; S | 1412901hC3 | KD | 4VE1V4 | 30E000 | , g/L | | 9JEO | | 40 h110 | |
| | ; SD | 1412901hC3 | KD | 4JE000 | 30E000 | , g/L | 9E4 | 24E0 | C0 | 40 h110 | |
| Ch& 4h; etzylpzenol | ; S | 1412901hC3 | KD | 24EC32 | 100E00 | , g/L | | 24E4 | | 40 h110 | |
| | ; SD | 1412901hC3 | KD | . VE230 | 100E00 | , g/L | 9EO | . VE2 | C0 | 40 h110 | |
| 4hKitropzenol | ; S | 1412901hC3 | KD | J9B 40 | 30E000 | , g/L | | 39E3 | | 10 h110 | |
| | ; SD | 1412901hC3 | KD | J3E4J0 | 30E000 | , g/L | 13B | 30E2 | C0 | 10 h110 | |
| Wentaczloropzenol | ; S | 1412901hC3 | KD | 30E9V3 | 30E000 | , g/L | | 10J | | C0 h1J0 | |
| | ; SD | 1412901hC3 | KD | 43E900 | 30E000 | , g/L | 10E3 | 91E2 | C0 | C0 h1J0 | |
| Wzenol | ; S | 1412901hC3 | KD | J3E0J. | 30E000 | , g/L | | 30E1 | | J0 h110 | |
| | ; SD | 1412901hC3 | KD | JJE/20 | 30E000 | , g/L | 9E2 | 43E4 | C0 | J0 h110 | |
| Jj4jVhTriczloropzenol | ; S | 1412901hC3 | KD | 34E/C2 | 30E000 | , g/L | | 109 | | 30 h1J0 | |
| | ; SD | 1412901hC3 | KD | 49E1V0 | 30E000 | , g/L | 10E/ | 92EO | C0 | 30 h1J0 | |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# Ease Aeutral an) 3 ( i) MDtra( tables g rcani( 3 nalVsis FMh3 d et. o) 859NCH

## y ualitV Control Report 0hre( ision & 3 ( ( ura( V

| Constituent | TVpe | Sour( e Sample IW | Sour( e Result | Result | Spike 3 ) ) e) | Units | RhW | her( ent Re( overV | Control Limits RhW | her( ent Re( overV | Lab y uals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B52N-** | ) se7 client sample: K | | | | | | | | | | |
| JhdI, oropzenol FS, rrogateX | ; S | 1412901hC3 | KD | 31E14O | 20E000 | , g/L | | VCE9 | | C0 h1J0 | |
| | ; SD | 1412901hC3 | KD | 43E940 | 20E000 | , g/L | 10B | 3. E4 | | C0 h1J0 | |
| Wzenolh73 FS, rrogateX | ; S | 1412901hC3 | KD | C3B . 9 | 20E000 | , g/L | | 44B | | 1J h110 | |
| | ; SD | 1412901hC3 | KD | CJE120 | 20E000 | , g/L | 10BV | 40EJ | | 1J h110 | |
| Kitroben6eneh73 FS, rrogateX | ; S | 1412901hC3 | KD | . 1EC99 | 20E000 | , g/L | | 29EJ | | V0 h1C0 | |
| | ; SD | 1412901hC3 | KD | V. E430 | 20E000 | , g/L | 3B | 24EC | | V0 h1C0 | |
| JhdI, orobipzenyl FS, rrogateX | ; S | 1412901hC3 | KD | VJEC20 | 20E000 | , g/L | | . 2E0 | | 33 h1J3 | |
| | ; SD | 1412901hC3 | KD | 32E400 | 20E000 | , g/L | VBV | . CE0 | | 33 h1J3 | |
| Jj4jVhTribromopzenol FS, rrogateX | ; S | 1412901hC3 | KD | . . B03 | 20E000 | , g/L | | 9. E1 | | 40 h130 | |
| | ; SD | 1412901hC3 | KD | . CECV0 | 20E000 | , g/L | 3E2 | 91B | | 40 h130 | |
| phTerpzenylh714 FS, rrogateX | ; S | 1412901hC3 | KD | C1E2V2 | 40E000 | , g/L | | . 9B | | 40 h130 | |
| | ; SD | 1412901hC3 | KD | C4E4. 0 | 40E000 | , g/L | . E2 | 2VEJ | | 40 h130 | |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Cr0100
Wrolect ; anager: Gason Sapp

# AWd 3 RMh3 d et. o) 859NC0SId H

## y ualitV Control Report 0d et. o) Elank 3 nalVsis

| Constituent | y C Sample IW | d E Result | Units | hy L | d WL | Lab y uals |
|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B57Q-** | | | | | | |
| KHKitroso7imetzylamine | uwHJ3C9huL( 1 | KD | , g/L | 0E310 | 0E30C0 | |
| **Aap. t. alene0) 8 RSurrocateH** | **E, B57Q-0ELK1** | **88'8** | % | **27 0145 RLCL 0UCLH** | | |

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Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# AWd 3 RMh3 d et. o) 859NC0SId H

## y ualitV Control Report 0LaboratorV Control Sample

| Constituent | y C Sample IW | TVpe | Result | Spike Level | Units | her( ent Re( overV | RhW | Control Limits her( ent Re( overV | RhW | Lab y uals |
|---|---|---|---|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B57Q-** | | | | | | | | | | |
| KHKitroso7imetzylamine | uwHJ3C9huS1 | LPS | 0B.VOC0 | 0B40000 | , g/L | 1VV | | V. h119 | | L01 |
| Kapztzaleneh72 RS, rrogateX | uwHJ3C9huS1 | LPS | 0B32410 | 0B20000 | , g/L | . OB0 | | V3 h14J | | |

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# AWd 3 RMh3 d et. o) 859NC0Sld H

## y ualitV Control Report 0hre( ision & 3 ( ( ura( V

| Constituent | TVpe | Sour( e Sample IW | Sour( e Result | Result | Spike 3 ) ) e) | Units | RhW | her( ent Re( overV | Control Limits RhW | her( ent Re( overV | Lab y uals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B57Q-** | ) se7 client sample: K | | | | | | | | | | |
| **A0Aitroso) imet. Vlamine** | ; S | **14121Q50 94** | **AW** | **N925QN** | **N4NNNN** | **uc/L** | | **1-1** | | **72 0118** | **y NQ** |
| | ; SD | **14121Q50 94** | **AW** | **N295NN** | **N4NNNN** | **uc/L** | **15'2** | **128** | **55** | **72 0118** | **y NQ** |
| Kapztzalenehr72 FS, rrogateX | ; S | 141V1QJh 4 | KD | 0B QJV0 | 0E20000 | , g/L | | 91BV | | V3 h14J | |
| | ; SD | 141V1QJh 4 | KD | 0BVJ400 | 0E20000 | , g/L | 1VE0 | . 2E0 | | V3 h14J | |

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Wrolect ; anager: Gason Sapp

# G ater 3 nalVsis FF eneral C. emistrVH

## y ualitV Control Report 0d et. o) Elank 3 nalVsis

| Constituent | y C Sample IW | d E Result | Units | hy L | d WL | Lab y uals |
|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B1Q47** | | | | | | |
| ; u8S | uwH1O43huL( 1 | KD | mg/L | 0E10 | 0E013 | |
| **y C Eat( . IW: E, B1444** | | | | | | |
| Pzlori7e | uwH1444huL( 1 | KD | mg/L | 0E30 | 0E0V. | |
| Kitrate as K | uwH1444huL( 1 | KD | mg/L | 0E10 | 0E0J3 | |
| **Sulfate** | **E, B1444OELK1** | **N'QN-NN** | **mc/L** | **1'N** | **N'18** | **J** |
| **y C Eat( . IW: E, B19Q2** | | | | | | |
| Hy7roxi7e | uwH1. OVhuL( 1 | KD | mg/L | 1E4 | 1E4 | |
| Total 8Il alinity as PaPq O | uwH1. OVhuL( 1 | KD | mg/L | 4E1 | 4E1 | |
| **y C Eat( . IW: E, B1-NQ** | | | | | | |
| Total Dissolve7 Soli7s @ 120 P | uwH190OhuL( 1 | KD | mg/L | VE | VE | |
| **y C Eat( . IW: E, B1-19** | | | | | | |
| Dissolve7 Har7ness as PaPq O | uwH191. huL( 1 | KD | mg/L | 0E30 | 0E10 | |
| **y C Eat( . IW: E, B1-29** | | | | | | |
| Dissolve7 Palci, m | uwH19V. huL( J | KD | mg/L | 0E10 | 0E01V | |
| **Wissolve) d acnesium** | **E, B1-290ELK1** | **N'N1-542** | **mc/L** | **N'N7N** | **N'N1-** | **J** |
| **Wissolve) So) ium** | **E, B1-290ELK1** | **N'N2Q974** | **mc/L** | **N'7N** | **N'N71** | **J** |
| Dissolve7 Wotassi, m | uwH19V. huL( 1 | KD | mg/L | 1E0 | 0E10 | |
| **y C Eat( . IW: E, IN472** | | | | | | |
| Werczlorate | uwM043VhuL( 1 | KD | , g/L | 4E0 | 0E43 | |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# G ater 3 nalVsis FF eneral C. emistrVH

## y ualitV Control Report 0 LaboratorV Control Sample

| Constituent | y C Sample IW | TVpe | Result | Spike Level | Units | her( ent Re( overV | RhW | Control Limits her( ent Re( overV | RhW | Lab y uals |
|---|---|---|---|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B1Q47** | | | | | | | | | | |
| ; u8S | uwH1O43huS1 | LPS | 0E12. 10 | 0E10000 | mg/L | 9CB/ | | 23 h113 | | |
| **y C Eat( . IW: E, B1444** | | | | | | | | | | |
| Pzlori7e | uwH1444huS1 | LPS | 49EOV1 | 30E000 | mg/L | 92B | | 90 h110 | | |
| Kitrate as K | uwH1444huS1 | LPS | 3E1J10 | 3E0000 | mg/L | 10J | | 90 h110 | | |
| S, lfate | uwH1444huS1 | LPS | 100E2. | 100E00 | mg/L | 101 | | 90 h110 | | |
| **y C Eat( . IW: E, B19Q2** | | | | | | | | | | |
| Total 8Il alinity as PaPq O | uwH1. OVhuSO | LPS | 92B O0 | 100E00 | mg/L | 92B | | 90 h110 | | |
| **y C Eat( . IW: E, B1-NQ** | | | | | | | | | | |
| Total Dissolve7 Soli7s @ 120 P | uwH190OhuS1 | LPS | 343E00 | 32VE00 | mg/L | 9CE0 | | 90 h110 | | |
| **y C Eat( . IW: E, B1-29** | | | | | | | | | | |
| Dissolve7 Palci, m | uwH19V. huSJ | LPS | 10E10J | 10E000 | mg/L | 10J | | 23 h113 | | |
| Dissolve7 ; agnesi, m | uwH19V. huS1 | LPS | 10E490 | 10E000 | mg/L | 103 | | 23 h113 | | |
| Dissolve7 So7i, m | uwH19V. huS1 | LPS | 9E9. VO | 10E000 | mg/L | 99E2 | | 23 h113 | | |
| Dissolve7 Wotassi, m | uwH19V. huS1 | LPS | 9E1944 | 10E000 | mg/L | 9JE9 | | 23 h113 | | |
| **y C Eat( . IW: E, IN472** | | | | | | | | | | |
| Werczlorate | uwW043VhuS1 | LPS | 11E0. V | 10E000 | , g/L | 111 | | 23 h113 | | |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# G ater 3 nalVsis FF eneral C. emistrVH

## y ualitV Control Report 0hre( ision & 3 ( ( ura( V

| Constituent | TVpe | Sour( e Sample IW | Sour( e Result | Result | Spike 3 ) ) e) | Units | RhW | her( ent Re( overV | Control Limits RhW | her( ent Re( overV | Lab y uals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B1Q47** | ) se7 client sample: K | | | | | | | | | | |
| ; u8S | D) W | 1412. 39h01 | KD | KD | | mg/L | | | J0 | | |
| | ; S | 1412. 39h01 | KD | 0BO. 220 | 0B40000 | mg/L | | 94B | | 20 h1J0 | |
| | ; SD | 1412. 39h01 | KD | 0BO. 220 | 0B40000 | mg/L | 0 | 94B | J0 | 20 h1J0 | |
| **y C Eat( . IW: E, B1444** | ) se7 client sample: K | | | | | | | | | | |
| Pzlori7e | D) W | 412V29h01RE´ | V2B0.99 | V2B024 | | mg/L | 0B0 | | 10 | | |
| | ; S | 412V29h01RE´ | V2B0.99 | 1JOB42 | 30B303 | mg/L | | 109 | | 20 h1J0 | |
| | ; SD | 412V29h01RE´ | V2B0.99 | 1JOB02 | 30B303 | mg/L | 0B1 | 109 | 10 | 20 h1J0 | |
| Kitrate as K | D) W | 412V29h01RE´ | OB0. 20 | OB0. 20 | | mg/L | 0 | | 10 | | |
| | ; S | 412V29h01RE´ | OB0. 20 | 2B4. 3 | 3B0303 | mg/L | | 10V | | 20 h1J0 | |
| | ; SD | 412V29h01RE´ | OB0. 20 | 2B4V3. | 3B0303 | mg/L | 0B1 | 10. | 10 | 20 h1J0 | |
| S, lfate | D) W | 412V29h01RE´ | O. B9. | O. B3. 3 | | mg/L | 0BV | | 10 | | |
| | ; S | 412V29h01RE´ | O. B9. | 14. BV. | 101B01 | mg/L | | 109 | | 20 h1J0 | |
| | ; SD | 412V29h01RE´ | O. B9. | 142B11 | 101B01 | mg/L | 0BO | 109 | 10 | 20 h1J0 | |
| **y C Eat( . IW: E, B19Q2** | ) se7 client sample: Y hDescription: dV8h4j 02/1O/J014 1O.42 | | | | | | | | | | |
| Hy7roxi7e | D) W | 1412. 92h0J | KD | KD | | mg/L | | | 10 | | |
| Total 8Il alinity as PaPq O | D) W | 1412. 92h0J | J04B. | J03B0. | | mg/L | 0B1 | | 10 | | |
| **y C Eat( . IW: E, B1-NQ** | ) se7 client sample: K | | | | | | | | | | |
| Total Dissolve7 Soli7s @ 120 P | D) W | 1412. 1Vh01 | 1. 00B0 | 1V30B0 | | mg/L | OB0 | | 10 | | |
| **y C Eat( . IW: E, B1-29** | ) se7 client sample: Y hDescription: dV8h4j 02/1O/J014 1O.42 | | | | | | | | | | |
| **Wissolve) Cal( ium** | **D) W** | **14189-80N5** | **84'5-9** | **8Q8-N** | | **mc/L** | **N7** | | **5N** | | |
| | **; S** | **14189-80N5** | **84'5-9** | **8-'7N1** | **1N5N4** | **mc/L** | | **71'N** | | **97 0157** | **3 NQ** |
| | **; SD** | **14189-80N5** | **84'5-9** | **88'Q99** | **1N5N4** | **mc/L** | **1'Q** | **4N'N** | **5N** | **97 0157** | **3 NQ** |
| Dissolve7 ; agnesi, m | D) W | 1412. 92h0J | 11B22. | 1JB392 | | mg/L | 3B2 | | J0 | | |
| | ; S | 1412. 92h0J | 11B22. | JJB3. 4 | 10BJ04 | mg/L | | 103 | | . 3 h1J3 | |
| | ; SD | 1412. 92h0J | 11B22. | JJB034 | 10BJ04 | mg/L | 1B0 | 10O | J0 | . 3 h1J3 | |
| Dissolve7 So7i, m | D) W | 1412. 92h0J | 11BVJJ | 11B 2. | | mg/L | 1B4 | | J0 | | |
| | ; S | 1412. 92h0J | 11BVJJ | J1B02V | 10BJ04 | mg/L | | 93B | | . 3 h1J3 | |
| | ; SD | 1412. 92h0J | 11BVJJ | J1B002 | 10BJ04 | mg/L | 0BJ | 93BJ | J0 | . 3 h1J3 | |
| Dissolve7 Wotassi, m | D) W | 1412. 92h0J | OB020O | OB1342 | | mg/L | JB4 | | J0 | | |
| | ; S | 1412. 92h0J | OB020O | 1JB9V0 | 10BJ04 | mg/L | | 9VB2 | | . 3 h1J3 | |
| | ; SD | 1412. 92h0J | OB020O | 1JB211 | 10BJ04 | mg/L | 1BJ | 93B4 | J0 | . 3 h1J3 | |
| **y C Eat( . IW: E, IN472** | ) se7 client sample: Y hDescription: K12huj 02/1O/J014 10:O9 | | | | | | | | | | |
| Werczlorate | D) W | 1412. 92h0V | KD | KD | | , g/L | | | 13 | | |
| | ; S | 1412. 92h0V | KD | 9B03J1 | 10B101 | , g/L | | 29BV | | 20 h1J0 | |
| | ; SD | 1412. 92h0V | KD | 9B 49O | 10B101 | , g/L | . B4 | 9VB3 | 13 | 20 h1J0 | |

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**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# d etals 3 nalVsis

## y ualitV Control Report 0d et. o) Elank 3 nalVsis

| Constituent | y C Sample IW | d E Result | Units | hy L | d WL | Lab y uals |
|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B14Q7** | | | | | | |
| Dissolve7 ; erc, ry | uwH14C3huL( 1 | KD | , g/L | 0B10 | 0B0CO | |
| **y C Eat( . IW: E, B174-** | | | | | | |
| **Wissolve) d er( urV** | **E, B174-0ELK1** | **N'N7NNNN** | **uc/L** | **N'5N** | **N'NQQ** | **J** |
| **y C Eat( . IW: E, B1-29** | | | | | | |
| Dissolve7 8ntimony | uwH19V. huL( 1 | KD | , g/L | 100 | 4B9 | |
| Dissolve7 8rsenic | uwH19V. huL( 1 | KD | , g/L | 30 | 9B1 | |
| Dissolve7 uari, m | uwH19V. huL( 1 | KD | , g/L | 10 | CB3 | |
| Dissolve7 uerylli, m | uwH19V. huL( 1 | KD | , g/L | 10 | 0B30 | |
| Dissolve7 Pa7mi, m | uwH19V. huL( 1 | KD | , g/L | 10 | 1B1 | |
| Dissolve7 Pzromi, m | uwH19V. huL( 1 | KD | , g/L | 10 | 1B0 | |
| Dissolve7 Pobalt | uwH19V. huL( 1 | KD | , g/L | 30 | 1B1 | |
| Dissolve7 Popper | uwH19V. huL( 1 | KD | , g/L | 10 | 1B0 | |
| **Wissolve) Lea)** | **E, B1-290ELK1** | **7'N9N5** | **uc/L** | **7N** | **CQ7** | **J** |
| Dissolve7 ; olyb7en, m | uwH19V. huL( 1 | KD | , g/L | 30 | 1B4 | |
| Dissolve7 Kicl el | uwH19V. huL( J | KD | , g/L | 10 | JB4 | |
| Dissolve7 Seleni, m | uwH19V. huL( J | KD | , g/L | 100 | 13 | |
| Dissolve7 Silver | uwH19V. huL( 1 | KD | , g/L | 10 | 1B1 | |
| Dissolve7 Tzalli, m | uwH19V. huL( 1 | KD | , g/L | 100 | 10 | |
| Dissolve7 Uana7i, m | uwH19V. huL( 1 | KD | , g/L | 10 | JB1 | |
| Dissolve7 Zinc | uwH19V. huL( 1 | KD | , g/L | 10 | 3B0 | |

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Aeologic 8ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# d etals 3 nalVsis

## y ualitV Control Report 0 LaboratorV Control Sample

| Constituent | y C Sample IW | TVpe | Result | Spike Level | Units | her( ent Re( overV | RhW | Control Limits her( ent Re( overV | RhW | Lab y uals |
|---|---|---|---|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B14C7** | | | | | | | | | | |
| Dissolve7 ; erc, ry | uwH14C3huS1 | LPS | 1B02J3 | 1B0000 | , g/L | 102 | | 23 h113 | | |
| **y C Eat( . IW: E, B174-** | | | | | | | | | | |
| Dissolve7 ; erc, ry | uwH1349huS1 | LPS | 1B04. 3 | 1B0000 | , g/L | 103 | | 23 h113 | | |
| **y C Eat( . IW: E, B1-29** | | | | | | | | | | |
| Dissolve7 8ntimony | uwH19V. huS1 | LPS | C3VB3 | 400B00 | , g/L | 29B | | 23 h113 | | |
| Dissolve7 8rsenic | uwH19V. huS1 | LPS | 1. . B01 | J00B00 | , g/L | 22B | | 23 h113 | | |
| Dissolve7 uari, m | uwH19V. huS1 | LPS | 410B00 | 400B00 | , g/L | 10J | | 23 h113 | | |
| Dissolve7 uerylli, m | uwH19V. huS1 | LPS | J00B11 | J00B00 | , g/L | 100 | | 23 h113 | | |
| Dissolve7 Pa7mi, m | uwH19V. huS1 | LPS | 19JB21 | J00B00 | , g/L | 9VB4 | | 23 h113 | | |
| Dissolve7 Pzromi, m | uwH19V. huS1 | LPS | J00B. | J00B00 | , g/L | 100 | | 23 h113 | | |
| Dissolve7 Pobalt | uwH19V. huS1 | LPS | 19VB00 | J00B00 | , g/L | 92B0 | | 23 h113 | | |
| Dissolve7 Popper | uwH19V. huS1 | LPS | C2. B0J | 400B00 | , g/L | 9VB2 | | 23 h113 | | |
| Dissolve7 Lea7 | uwH19V. huS1 | LPS | 400B/2 | 400B00 | , g/L | 100 | | 23 h113 | | |
| Dissolve7 ; olyb7en, m | uwH19V. huS1 | LPS | J01B01 | J00B00 | , g/L | 101 | | 23 h113 | | |
| Dissolve7 KicI el | uwH19V. huSJ | LPS | 4QJB0J | 400B00 | , g/L | 102 | | 23 h113 | | |
| Dissolve7 Seleni, m | uwH19V. huSJ | LPS | 12VB0J | J00B00 | , g/L | 9CB | | 23 h113 | | |
| Dissolve7 Silver | uwH19V. huS1 | LPS | 9VB2QJ | 100B00 | , g/L | 9VB2 | | 23 h113 | | |
| Dissolve7 Tzalli, m | uwH19V. huS1 | LPS | 409B9J | 400B00 | , g/L | 10J | | 23 h113 | | |
| Dissolve7 Uana7i, m | uwH19V. huS1 | LPS | 19CB2. | J00B00 | , g/L | 9VB9 | | 23 h113 | | |
| Dissolve7 Zinc | uwH19V. huS1 | LPS | 304B04 | 300B00 | , g/L | 101 | | 23 h113 | | |

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A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# d etals 3 nalVsis

## y ualitV Control Report 0hre( ision & 3 ( ( ura( V

| Constituent | TVpe | Sour( e Sample IW | Sour( e Result | Result | Spike 3 ) ) e) | Units | RhW | her( ent Re( overV | Control Limits RhW | her( ent Re( overV | Lab y uals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B14Q7** | ) se7 client sample: K | | | | | | | | | | |
| **Wssolve) d er( urV** | D) W | **14188N90N5** | **N1297N** | **N517NN** | | **uc/L** | **54'8** | | **5N** | | **3 N5** |
| | ; S | **14188N90N5** | **N1297N** | **1'5NNN** | **1'NNNN** | **uc/L** | | **1NQ** | | **9N 01QN** | |
| | ; SD | **14188N90N5** | **N1297N** | **1'QQ57** | **1'NNNN** | **uc/L** | **1N'7** | **112** | **5N** | **9N 01QN** | |
| **y C Eat( . IW: E, B174-** | ) se7 client sample: K | | | | | | | | | | |
| Dissolve7 ; erc, ry | D) W | 1412943h01 | 0E0C8000 | KD | | , g/L | | | J0 | | |
| | ; S | 1412943h01 | 0E0C8000 | 1E1V30 | 1E0000 | , g/L | | 11O | | . 0 h1C0 | |
| | ; SD | 1412943h01 | 0E0C8000 | 1E0. 30 | 1E0000 | , g/L | 2E0 | 104 | J0 | . 0 h1C0 | |
| **y C Eat( . IW: E, B1- 29** | ) se7 client sample: Y hDescription: dV8h4j 02/1O/J014 1Q42 | | | | | | | | | | |
| Dissolve7 8ntimony | D) W | 1412. 92h0J | KD | 3E424. | | , g/L | | | J0 | | G |
| | ; S | 1412. 92h0J | KD | C83E13 | 402E1V | , g/L | | 2. E0 | | . 3 h1J3 | |
| | ; SD | 1412. 92h0J | KD | Q. 1E94 | 402E1V | , g/L | 4EV | 91E1 | J0 | . 3 h1J3 | |
| Dissolve7 8rsenic | D) W | 1412. 92h0J | KD | 1. E193 | | , g/L | | | J0 | | G |
| | ; S | 1412. 92h0J | KD | J0JE1. | J04E02 | , g/L | | 99E1 | | . 3 h1J3 | |
| | ; SD | 1412. 92h0J | KD | J04E09 | J04E02 | , g/L | 1E1 | 100 | J0 | . 3 h1J3 | |
| Dissolve7 uari, m | D) W | 1412. 92h0J | J2E343 | QJE00O | | , g/L | 1JE4 | | J0 | | |
| | ; S | 1412. 92h0J | J2E343 | 44VE14 | 402E1V | , g/L | | 10J | | . 3 h1J3 | |
| | ; SD | 1412. 92h0J | J2E343 | 44JE02 | 402E1V | , g/L | 0E9 | 101 | J0 | . 3 h1J3 | |
| Dissolve7 uerylli, m | D) W | 1412. 92h0J | KD | KD | | , g/L | | | J0 | | |
| | ; S | 1412. 92h0J | KD | J11E1J | J04E02 | , g/L | | 10O | | . 3 h1J3 | |
| | ; SD | 1412. 92h0J | KD | J02EVO | J04E02 | , g/L | 1E1 | 10J | J0 | . 3 h1J3 | |
| Dissolve7 Pa7mi, m | D) W | 1412. 92h0J | KD | KD | | , g/L | | | J0 | | |
| | ; S | 1412. 92h0J | KD | J0. E1. | J04E02 | , g/L | | 10J | | . 3 h1J3 | |
| | ; SD | 1412. 92h0J | KD | J03E2V | J04E02 | , g/L | 0E | 101 | J0 | . 3 h1J3 | |
| Dissolve7 Pzromi, m | D) W | 1412. 92h0J | KD | KD | | , g/L | | | J0 | | |
| | ; S | 1412. 92h0J | KD | J01E2O | J04E02 | , g/L | | 92E9 | | . 3 h1J3 | |
| | ; SD | 1412. 92h0J | KD | 192E12 | J04E02 | , g/L | 1E2 | 9. E1 | J0 | . 3 h1J3 | |
| Dissolve7 Pobalt | D) W | 1412. 92h0J | KD | KD | | , g/L | | | J0 | | |
| | ; S | 1412. 92h0J | KD | 192E2V | J04E02 | , g/L | | 9. E4 | | . 3 h1J3 | |
| | ; SD | 1412. 92h0J | KD | 192E9V | J04E02 | , g/L | 0E1 | 9. E3 | J0 | . 3 h1J3 | |
| **Wssolve) Copper** | D) W | **14189- 80N5** | **1'475-** | **5'5NQ2** | | **uc/L** | **41'1** | | **5N** | | **JX8 N5** |
| | ; S | **14189- 80N5** | **1'475-** | **Q8Q5N** | **4N8'12** | **uc/L** | | **- Q7** | | **97 0157** | |
| | ; SD | **14189- 80N5** | **1'475-** | **Q88'7-** | **4N8'12** | **uc/L** | **1'4** | **- 4'8** | **5N** | **97 0157** | |
| **Wssolve) Lea)** | D) W | **14189- 80N5** | **2'N97-** | **Q8Q4Q** | | **uc/L** | **47'5** | | **5N** | | **JX8 N5** |
| | ; S | **14189- 80N5** | **2'N97-** | **41Q9Q** | **4N8'12** | **uc/L** | | **- - '-** | | **97 0157** | |
| | ; SD | **14189- 80N5** | **2'N97-** | **451'24** | **4N8'12** | **uc/L** | **1'-** | **1N5** | **5N** | **97 0157** | |
| Dissolve7 ; olyb7en, m | D) W | 1412. 92h0J | 14E223 | 14E4V2 | | , g/L | JE2 | | J0 | | G |
| | ; S | 1412. 92h0J | 14E223 | J13E4V | J04E02 | , g/L | | 92E0 | | . 3 h1J3 | |
| | ; SD | 1412. 92h0J | 14E223 | J12EV1 | J04E02 | , g/L | 1E3 | 99E2 | J0 | . 3 h1J3 | |

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A eologic 8 ssociates
J30 C Bdirst StBS, ite JJ2
Plaremontj P8 91. 11

**Reporte) :** 09/02/J014 11:0V
Wrolect: Rialto Werczlorate Mvestigaton
Wrolect K, mber: J01Ch0100
Wrolect ; anager: Gason Sapp

# d etals 3 nalVsis

## y ualitV Control Report 0hre( ision & 3 ( ( ura( V

| Constituent | TVpe | Sour( e Sample IW | Sour( e Result | Result | Spike 3 ) ) e) | Units | RhW | her( ent Re( overV | Control Limits RhW | her( ent Re( overV | Lab y uals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **y C Eat( . IW: E, B1-29** | ) se7 client sample: Y hDescription: dV8 h4j 02/1O/J014 1O42 | | | | | | | | | | |
| Dissolve7 Kicl el | D) W | 1412. 92h0J | KD | KD | | , g/L | | | J0 | | |
| | ; S | 1412. 92h0J | KD | 404B42 | 402B1V | , g/L | | 99B1 | | . 3 h1J3 | |
| | ; SD | 1412. 92h0J | KD | 4JJB3J | 402B1V | , g/L | 4B4 | 104 | J0 | . 3 h1J3 | |
| Dissolve7 Seleni, m | D) W | 1412. 92h0J | JVB3VO | J9BJ02 | | , g/L | 9B3 | | J0 | | G |
| | ; S | 1412. 92h0J | JVB3VO | JJ9BJ. | J04B02 | , g/L | | 99BO | | . 3 h1J3 | |
| | ; SD | 1412. 92h0J | JVB3VO | JJ. B2V | J04B02 | , g/L | 0BV | 92BV | J0 | . 3 h1J3 | |
| Dissolve7 Silver | D) W | 1412. 92h0J | KD | 1B31V2 | | , g/L | | | J0 | | G |
| | ; S | 1412. 92h0J | KD | 94B 2. | 10JB04 | , g/L | | 9JB9 | | . 3 h1J3 | |
| | ; SD | 1412. 92h0J | KD | 9VB34J | 10JB04 | , g/L | 1B2 | 94BV | J0 | . 3 h1J3 | |
| Dissolve7 Tzalli, m | D) W | 1412. 92h0J | KD | KD | | , g/L | | | J0 | | |
| | ; S | 1412. 92h0J | KD | 4J3B2. | 402B1V | , g/L | | 104 | | . 3 h1J3 | |
| | ; SD | 1412. 92h0J | KD | 4J3B19 | 402B1V | , g/L | 0BJ | 104 | J0 | . 3 h1J3 | |
| Dissolve7 Uana7i, m | D) W | 1412. 92h0J | KD | JB9JJJ | | , g/L | | | J0 | | G |
| | ; S | 1412. 92h0J | KD | 19. B12 | J04B02 | , g/L | | 9VBV | | . 3 h1J3 | |
| | ; SD | 1412. 92h0J | KD | 199B04 | J04B02 | , g/L | 0B9 | 9. B3 | J0 | . 3 h1J3 | |
| Dissolve7 Zinc | D) W | 1412. 92h0J | KD | VB121. | | , g/L | | | J0 | | G |
| | ; S | 1412. 92h0J | KD | 3O4B22 | 310BJ0 | , g/L | | 103 | | . 3 h1J3 | |
| | ; SD | 1412. 92h0J | KD | 3OOB44 | 310BJ0 | , g/L | 0BO | 103 | J0 | . 3 h1J3 | |

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| | |
|---|---|
| Aeologic 8ssociates<br>J30 C Bdirst StBS, ite JJ2<br>Plaremontj P8 91. 11 | **Reporte) :** 09/02/J014 11:0V<br>Wrolect: Rialto Werczlorate Mvestigaton<br>Wrolect K, mber: J01Ch0100<br>Wrolect ; anager: Gason Sapp |

## Aotes 3 n) Wefinitions

| | |
|---|---|
| G | Estimate7 Ual, e FPLWdlagX |
| ; DL | ; etzo7 Detection Limit |
| KD | 8nalyte Kot Detecte7 at or above tze reporting limit |
| WQL | Wractical Q, antitation Limit |
| RWD | Relative Wercent Difference |
| 801 | WQL's an7 ; DL's are raise7 7, e to sample 7il, tionB |
| 80J | Tze 7ifference bet5 een 7, plicate rea7ings is less tzan tze WQLB |
| 80O | Tze sample concentration is more tzan 4 times tze spil e levelB |
| L01 | Tze Laboratory Pontrol Sample C ater FLPSC Xrecovery is not 5 itzin laboratory establisze7 control limitsB |
| Q0J | ; atrix spil e precision is not 5 itzin tze control limitsB |
| Q0O | ; atrix spil e recoveryFsXisFareXnot 5 itzin tze control limitsB |
| S09 | Tze s, rrogate recovery on tze sample for tzis compo, n7 5 as not 5 itzin tze control limitsB |
| U11 | Tze Pontin, ing Palibration Uerification FPPUXrecovery is not 5 itzin establisze7 control limitsB |

**BC Laboratories, Inc.**
Environmental Testing Laboratory Since 1949

Date of Report: 09/09/3014

2ason Sapp

J eologic Gssociates
3A0 8 CBirst StCSdite 33,
Plaremontj PG 91- 11

| | |
|---|---|
| Plient Wrolect: | 301Ch0100 |
| uPL Wrolect: | Rialto Werc6lorate 5nvestigaton |
| uPL 8 or. I rqer: | 141, - 99 |
| 5nvoice 5D: | u1, 3- 10 |

Encloseq are t6e resdlts of analyses for samples receiveq by t6e laboratory on , /14/3014C 5f yod 6ave any zdestions concerning t6is reportj please feel free to contact meC

Sincerelyj

Pontact Werson: Tina J reen
Plient Services # anager

Gdt6oriMeq Signatdre

Pertifications: PG ELGW; 11, NV KU ; PG00014V I R ELGW; 40C3h001V G( ) ST101

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# Table of Contents


## Sample Information

P6ain of Pdstoqy anq Pooler Receipt form ..... O
Laboratory / Plient Sample Pross Reference ..... N

## Sample Results

**14189--0M1 0 3 209**
Uolatile I rganic Gnalysis 7EWG # et6oq A34C3F ..... ,
8 ater Gnalysis 7J eneral P6emistryF ..... 11

**14189--0M2 0 3 205**
Uolatile I rganic Gnalysis 7EWG # et6oq A34C3F ..... 13
8 ater Gnalysis 7J eneral P6emistryF ..... 1A

**14189--0M6 0 3 207**
Uolatile I rganic Gnalysis 7EWG # et6oq A34C3F ..... 1N
8 ater Gnalysis 7J eneral P6emistryF ..... 19

**14189--0M4 0 3 204**
Uolatile I rganic Gnalysis 7EWG # et6oq A34C3F ..... 30
8 ater Gnalysis 7J eneral P6emistryF ..... 3O

**14189--0M7 0 3 206**
Uolatile I rganic Gnalysis 7EWG # et6oq A34C3F ..... 34
8 ater Gnalysis 7J eneral P6emistryF ..... 3-

**14189--0M5 0 3 202**
Uolatile I rganic Gnalysis 7EWG # et6oq A34C3F ..... 3,
8 ater Gnalysis 7J eneral P6emistryF ..... O1

**14189--0M9 0 Q2M05**
Uolatile I rganic Gnalysis 7EWG # et6oq A34C3F ..... C8
8 ater Gnalysis 7J eneral P6emistryF ..... OA

**14189--0M8 0 Q2M07**
Uolatile I rganic Gnalysis 7EWG # et6oq A34C3F ..... CN
8 ater Gnalysis 7J eneral P6emistryF ..... C9

**14189--0M- 0 Q2M04**
Uolatile I rganic Gnalysis 7EWG # et6oq A34C3F ..... 40
8 ater Gnalysis 7J eneral P6emistryF ..... 4O

**14189--01M 0 Q2M06**
Uolatile I rganic Gnalysis 7EWG # et6oq A34C3F ..... 44
8 ater Gnalysis 7J eneral P6emistryF ..... 4-

**14189--011 0 Q2M01**
Uolatile I rganic Gnalysis 7EWG # et6oq A34C3F ..... 4,
8 ater Gnalysis 7J eneral P6emistryF ..... A1

## y ualitV Control Reports

**Oolatile g rcaniA ( nalVsis EPh( 3 etdo. 724)2W**
# et6oq u lan. Gnalysis ..... A3
Laboratory Pontrol Sample ..... A-
Wecision anq Gccdracy ..... A,

**G ater ( nalVsis EN eneral CdemistrVW**
# et6oq u lan. Gnalysis ..... N0
Laboratory Pontrol Sample ..... N1
Wecision anq Gccdracy ..... N3

## Qotes

Kotes anq Definitions ..... NO


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BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

BC Laboratories, Inc. Westbay

# Chain of Custody Form

Page 1 of 1

| | |
|---|---|
| Report To: Client: Geo-Logic Assoc. | Project #: 2013.0100 |
| Attn: Jason Sapp | Project Name: Riarto Perchlorate |
| Street Address: 250 W. 1st St. #228 | Sampler(s): B. Salinas |
| City, State, Zip: C.M., CA 91711 | Dave Johnson |
| Phone: 909 626-2282 Fax: 909 626-1233 | |
| Email Address: | |
| Work Order #: 14.18799 | |

Analysis Requested: VOCs (524.2); Expanded List 1,2,3-TCP, TAME, ETBE, 1,1,2-TCTFA; Perchlorate (314.0)

Comments:

| Sample # | Description | Date Sampled | Time Sampled | VOCs (524.2) | Expanded List 1,2,3-TCP, TAME, ETBE, 1,1,2-TCTFA | Perchlorate (314.0) | Sample Matrix: Soil | Sludge | Drinkinge Water | Ground Water | Waste Water | Other | Turnaround # of work days* | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -1 | M2-7 | 8/13/14 | 0825 | X | X | X | | | | X | | | | |
| -2 | M2-6 | | 0913 | X | X | X | | | | X | | | | |
| -3 | M2-5 | | 0935 | X | X | X | | | | X | | | | |
| -4 | M2-4 | | 1000 | X | X | X | | | | X | | | | |
| -5 | M2-3 | | 1023 | X | X | X | | | | X | | | | |
| -6 | M2-2 | | 1048 | X | X | X | | | | X | | | | |
| -7 | N20-6 | | 1200 | X | X | X | | | | X | | | | |
| -8 | N20-5 | | 1232 | X | X | X | | | | X | | | | |
| -9 | N20-4 | | 1257 | X | X | X | | | | X | | | | |
| -10 | N20-3 | | 1320 | X | X | X | | | | X | | | | |
| -11 | N20-1 | | 1417 | X | X | X | | | | X | | | | |

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☒ No

* Standard Turnaround = 10 work days

CHK BY: MMS JLK

DISTRIBUTION

SUB-OUT ☐

**Billing** ☒ Same as above

Client:
Address:
City: State: Zip:
Attn:
PO#:

EDF Required? Geotracker ☒ Yes ☐ No

Send Copy to State of CA? (EDT) ☐ Yes ☒ No

Global ID (Needed for EDF)

System # (Needed for EDT)

| Relinquished By | Date | Time | Received By | Date | Time |
|---|---|---|---|---|---|
| 1. Ben Salinas | 8/13/14 | 1700 | 1. [illegible] | 8/14/14 | 1730 |
| 2. [illegible] | 8/14/14 | 1785 | 2. [illegible] | 8/14/14 | 1715 |
| 3. | | | 3. | | |

BC Laboratories, Inc. – 4100 Atlas Ct. – Bakersfield, CA 93308 – 661.327.4911 – Fax: 661.327.1918 – www.bclabs.com

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BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 17 06/05/14 Page 1 Of 2

Submission #: 14-18799

**SHIPPING INFORMATION**
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

**FREE LIQUID**
YES ☐ NO ☐

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: Amber Thermometer ID: 207
Temperature: (A) 0.3 °C / (C) 0.4 °C
Date/Time 8-14-14 1715
Analyst Init M

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT GENERAL MINERAL/ GENERAL | | | | | | | | | | |
| PT PE UNPRESERVED 8oz | B | B | B | B | B | B | B | B | B | B |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT TOX | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | A (3) | A (3) | A (3) | A (3) | A (3) | A (3) | A (3) | A (3) | A (3) | A (3) |
| QT EPA 413.1, 413.2, 418.1 | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608/8080 | | | | | | | | | | |
| QT EPA 515.1/8150 | | | | | | | | | | |
| QT EPA 525 | | | | | | | | | | |
| QT EPA 525 TRAVEL BLANK | | | | | | | | | | |
| 0ml EPA 547 | | | | | | | | | | |
| 0ml EPA 531.1 | | | | | | | | | | |
| oz Amber EPA 548 | | | | | | | | | | |
| T EPA 549 | | | | | | | | | | |
| T EPA 632 | | | | | | | | | | |
| T EPA 8015M | | | | | | | | | | |
| T AMBER | | | | | | | | | | |
| OZ. JAR | | | | | | | | | | |
| OZ. JAR | | | | | | | | | | |
| IL SLEEVE | | | | | | | | | | |
| B VIAL | | | | | | | | | | |
| ASTIC BAG | | | | | | | | | | |
| ROUS IRON | | | | | | | | | | |
| CORE | | | | | | | | | | |
| ART KIT | | | | | | | | | | |
| ma Canister | | | | | | | | | | |

ments:
le Numbering Completed By: M Date/Time 8-14-14 2010

BC-LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 17 06/05/14 Page 2 Of 2

Submission #: 14.18799

**SHIPPING INFORMATION**
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

**FREE LIQUID**
YES ☐ NO ☐

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: Amber Thermometer ID: 207 Date/Time 8-14-14 1715
Temperature: (A) 0.3 °C / (C) 0.4 °C Analyst Init M

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT GENERAL MINERAL/ GENERAL | | | | | | | | | | |
| PT PE UNPRESERVED 8 oz | B | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT TOX | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PIA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | A (J) | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) |
| QT EPA 413.1, 413.2, 418.1 | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608/8080 | | | | | | | | | | |
| QT EPA 515.1/8150 | | | | | | | | | | |
| QT EPA 525 | | | | | | | | | | |
| QT EPA 525 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz Amber EPA 548 | | | | | | | | | | |
| QT EPA 549 | | | | | | | | | | |
| QT EPA 632 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT AMBER | | | | | | | | | | |
| OZ. JAR | | | | | | | | | | |
| 2 OZ. JAR | | | | | | | | | | |
| OIL SLEEVE | | | | | | | | | | |
| CB VIAL | | | | | | | | | | |
| LASTIC BAG | | | | | | | | | | |
| ERROUS IRON | | | | | | | | | | |
| NCORE | | | | | | | | | | |
| MART KIT | | | | | | | | | | |
| mma Canister | | | | | | | | | | |

ments:
iple Numbering Completed By: M 8/14/14 2210

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**Reporte. :** 09/09/3014 1C:3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| 14189- - 0M1 | Cg C Qumber: | Hrh | ReAeive Date: | 0, /14/3014 1- :1A |
| | hrojeAt Qumber: | Hrh | Samplinc Date: | 0, /1C/3014 0, :3A |
| | Samplinc LoAation: | Hrh | Sample Deptd: | Hrh |
| | Samplinc hoint: | # 3h- | Lab 3 atrix: | 8 ater |
| | Sample. BV: | Hrh | Sample TVpe: | J rodnqwater |
| 14189- - 0M2 | Cg C Qumber: | Hrh | ReAeive Date: | 0, /14/3014 1- :1A |
| | hrojeAt Qumber: | Hrh | Samplinc Date: | 0, /1C/3014 09:1O |
| | Samplinc LoAation: | Hrh | Sample Deptd: | Hrh |
| | Samplinc hoint: | # 3hN | Lab 3 atrix: | 8 ater |
| | Sample. BV: | Hrh | Sample TVpe: | J rodnqwater |
| 14189- - 0M6 | Cg C Qumber: | Hrh | ReAeive Date: | 0, /14/3014 1- :1A |
| | hrojeAt Qumber: | Hrh | Samplinc Date: | 0, /1C/3014 09:OA |
| | Samplinc LoAation: | Hrh | Sample Deptd: | Hrh |
| | Samplinc hoint: | # 3hA | Lab 3 atrix: | 8 ater |
| | Sample. BV: | Hrh | Sample TVpe: | J rodnqwater |
| 14189- - 0M4 | Cg C Qumber: | Hrh | ReAeive Date: | 0, /14/3014 1- :1A |
| | hrojeAt Qumber: | Hrh | Samplinc Date: | 0, /1C/3014 10:00 |
| | Samplinc LoAation: | Hrh | Sample Deptd: | Hrh |
| | Samplinc hoint: | # 3h4 | Lab 3 atrix: | 8 ater |
| | Sample. BV: | Hrh | Sample TVpe: | J rodnqwater |
| 14189- - 0M7 | Cg C Qumber: | Hrh | ReAeive Date: | 0, /14/3014 1- :1A |
| | hrojeAt Qumber: | Hrh | Samplinc Date: | 0, /1C/3014 10:3O |
| | Samplinc LoAation: | Hrh | Sample Deptd: | Hrh |
| | Samplinc hoint: | # 3hO | Lab 3 atrix: | 8 ater |
| | Sample. BV: | Hrh | Sample TVpe: | J rodnqwater |
| 14189- - 0M5 | Cg C Qumber: | Hrh | ReAeive Date: | 0, /14/3014 1- :1A |
| | hrojeAt Qumber: | Hrh | Samplinc Date: | 0, /1C/3014 10:4, |
| | Samplinc LoAation: | Hrh | Sample Deptd: | Hrh |
| | Samplinc hoint: | # 3h3 | Lab 3 atrix: | 8 ater |
| | Sample. BV: | Hrh | Sample TVpe: | J rodnqwater |
| 14189- - 0M9 | Cg C Qumber: | Hrh | ReAeive Date: | 0, /14/3014 1- :1A |
| | hrojeAt Qumber: | Hrh | Samplinc Date: | 0, /1C/3014 13:00 |
| | Samplinc LoAation: | Hrh | Sample Deptd: | Hrh |
| | Samplinc hoint: | K30hN | Lab 3 atrix: | 8 ater |
| | Sample. BV: | Hrh | Sample TVpe: | J rodnqwater |

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**Reporte. :** 09/09/3014 1Q3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| 14189- - 0MB | **Cg C Qumber:** | Hrh | **ReAeive Date:** | 0, /14/3014 1- :1A |
| | **hrojeAt Qumber:** | Hrh | **Samplinc Date:** | 0, /1O/3014 13:C8 |
| | **Samplinc LoAation:** | Hrh | **Sample Deptd:** | Hrh |
| | **Samplinc hoint:** | K30hA | **Lab 3 atrix:** | 8 ater |
| | **Sample. BV:** | Hrh | **Sample TVpe:** | J rodnqwater |
| 14189- - 0M- | **Cg C Qumber:** | Hrh | **ReAeive Date:** | 0, /14/3014 1- :1A |
| | **hrojeAt Qumber:** | Hrh | **Samplinc Date:** | 0, /1O/3014 13:A- |
| | **Samplinc LoAation:** | Hrh | **Sample Deptd:** | Hrh |
| | **Samplinc hoint:** | K30h4 | **Lab 3 atrix:** | 8 ater |
| | **Sample. BV:** | Hrh | **Sample TVpe:** | J rodnqwater |
| 14189- - 01M | **Cg C Qumber:** | Hrh | **ReAeive Date:** | 0, /14/3014 1- :1A |
| | **hrojeAt Qumber:** | Hrh | **Samplinc Date:** | 0, /1O/3014 1Q30 |
| | **Samplinc LoAation:** | Hrh | **Sample Deptd:** | Hrh |
| | **Samplinc hoint:** | K30hO | **Lab 3 atrix:** | 8 ater |
| | **Sample. BV:** | Hrh | **Sample TVpe:** | J rodnqwater |
| 14189- - 011 | **Cg C Qumber:** | Hrh | **ReAeive Date:** | 0, /14/3014 1- :1A |
| | **hrojeAt Qumber:** | Hrh | **Samplinc Date:** | 0, /1O/3014 14:1- |
| | **Samplinc LoAation:** | Hrh | **Sample Deptd:** | Hrh |
| | **Samplinc hoint:** | K30h1 | **Lab 3 atrix:** | 8 ater |
| | **Sample. BV:** | Hrh | **Sample TVpe:** | J rodnqwater |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99r01 | **Client Sample Qame:** # 3h- j , /1C/3014 , :3A:00G#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| uenMene | KD | dg/L | 0GA0 | 0C0, O | EWGhA34G3 | KD | | 1 |
| uromobenMene | KD | dg/L | 0GA0 | 0C1O | EWGhA34G3 | KD | | 1 |
| uromoc6loromet6ane | KD | dg/L | 0GA0 | 0G34 | EWGhA34G3 | KD | | 1 |
| uromoqic6loromet6ane | KD | dg/L | 0GA0 | 0C14 | EWGhA34G3 | KD | | 1 |
| uromoform | KD | dg/L | 0GA0 | 0G3- | EWGhA34G3 | KD | | 1 |
| uromomet6ane | KD | dg/L | 1C0 | 0G3A | EWGhA34G3 | KD | | 1 |
| nhudtylbenMene | KD | dg/L | 0GA0 | 0C11 | EWGhA34G3 | KD | | 1 |
| sechudtylbenMene | KD | dg/L | 0GA0 | 0C1A | EWGhA34G3 | KD | | 1 |
| terthudtylbenMene | KD | dg/L | 0GA0 | 0C1O | EWGhA34G3 | KD | | 1 |
| Parbon tetrac6loriqe | KD | dg/L | 0GA0 | 0C1, | EWGhA34G3 | KD | | 1 |
| P6lorobenMene | KD | dg/L | 0GA0 | 0C09O | EWGhA34G3 | KD | | 1 |
| P6loroet6ane | KD | dg/L | 0GA0 | 0C14 | EWGhA34G3 | KD | | 1 |
| P6loroform | KD | dg/L | 0GA0 | 0C13 | EWGhA34G3 | KD | | 1 |
| P6loromet6ane | KD | dg/L | 0GA0 | 0C14 | EWGhA34G3 | KD | | 1 |
| 3hP6lorotoldene | KD | dg/L | 0GA0 | 0G30 | EWGhA34G3 | KD | | 1 |
| 4hP6lorotoldene | KD | dg/L | 0GA0 | 0C1A | EWGhA34G3 | KD | | 1 |
| Dibromoc6loromet6ane | KD | dg/L | 0GA0 | 0C1O | EWGhA34G3 | KD | | 1 |
| 1j3hDibromohOhc6loropropane | KD | dg/L | 1C0 | 0G44 | EWGhA34G3 | KD | | 1 |
| 1j3hDibromoet6ane | KD | dg/L | 0GA0 | 0C1N | EWGhA34G3 | KD | | 1 |
| Dibromomet6ane | KD | dg/L | 0GA0 | 0G34 | EWGhA34G3 | KD | | 1 |
| 1j3hDic6lorobenMene | KD | dg/L | 0GA0 | 0C0- 3 | EWGhA34G3 | KD | | 1 |
| 1jOhDic6lorobenMene | KD | dg/L | 0GA0 | 0C1A | EWGhA34G3 | KD | | 1 |
| 1j4hDic6lorobenMene | KD | dg/L | 0GA0 | 0C0N3 | EWGhA34G3 | KD | | 1 |
| Dic6loroqifldoromet6ane | KD | dg/L | 0GA0 | 0C099 | EWGhA34G3 | KD | | 1 |
| 1j1hDic6loroet6ane | KD | dg/L | 0GA0 | 0C11 | EWGhA34G3 | KD | | 1 |
| 1j3hDic6loroet6ane | KD | dg/L | 0GA0 | 0C1- | EWGhA34G3 | KD | | 1 |
| 1j1hDic6loroet6ene | KD | dg/L | 0GA0 | 0C1, | EWGhA34G3 | KD | | 1 |
| cish1j3hDic6loroet6ene | KD | dg/L | 0GA0 | 0C0, A | EWGhA34G3 | KD | | 1 |
| transh1j3hDic6loroet6ene | KD | dg/L | 0GA0 | 0C1A | EWGhA34G3 | KD | | 1 |
| 1j3hDic6loropropane | KD | dg/L | 0GA0 | 0C1O | EWGhA34G3 | KD | | 1 |
| 1jOhDic6loropropane | KD | dg/L | 0GA0 | 0C0, N | EWGhA34G3 | KD | | 1 |
| 3j3hDic6loropropane | KD | dg/L | 0GA0 | 0C1O | EWGhA34G3 | KD | | 1 |
| 1j1hDic6loropropene | KD | dg/L | 0GA0 | 0C0, A | EWGhA34G3 | KD | | 1 |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis EPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99h01 | **Client Sample Qame:** # 3h- j , /1C/3014 , :3A:00G#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDic6loropropene | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| transh1jChDic6loropropene | KD | dg/L | 0CA0 | 0C0- 9 | EWGhA34C3 | KD | | 1 |
| Et6ylbenMene | KD | dg/L | 0CA0 | 0C09, | EWGhA34C3 | KD | | 1 |
| Hexac6lorobdtaqiene | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| 5sopropylbenMene | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| ph5sopropyltoldene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| # et6ylene c6loriqe | KD | dg/L | 0CA0 | 0C4, | EWGhA34C3 | KD | | 1 |
| # et6yl thbdtyl et6er | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| Kap6t6alene | KD | dg/L | 0CA0 | 0CCN | EWGhA34C3 | KD | | 1 |
| nhWopylbenMene | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| Styrene | KD | dg/L | 0CA0 | 0CCN, | EWGhA34C3 | KD | | 1 |
| 1j1j1j3hTetrac6loroet6ane | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| 1j1j3j3hTetrac6loroet6ane | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| **TetraAdloroetdene** | **M79** | **uc/L** | **M7M** | **M16** | **Ph( 0724)2** | KD | | 1 |
| Toldene | KD | dg/L | 0CA0 | 0C09O | EWGhA34C3 | KD | | 1 |
| 1j3jChTric6lorobenMene | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| 1j3j4hTric6lorobenMene | KD | dg/L | 0CA0 | 0C19 | EWGhA34C3 | KD | | 1 |
| 1j1j1hTric6loroet6ane | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| 1j1j3hTric6loroet6ane | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| Tric6loroet6ene | KD | dg/L | 0CA0 | 0C0, A | EWGhA34C3 | KD | | 1 |
| Tric6lorofldoromet6ane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1j3jChTric6loropropane | KD | dg/L | 1C0 | 0C34 | EWGhA34C3 | KD | | 1 |
| 1j1j3hTric6lorohj3j3htrifldoroet6ane | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j3j4hTrimet6ylbenMene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| 1jCjAhTrimet6ylbenMene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| Uinyl c6loriqe | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| Gcetone | KD | dg/L | 10 | 4CN | EWGhA34C3 | KD | | 1 |
| Gcrylonitrile | KD | dg/L | ACC | 1C3 | EWGhA34C3 | KD | U11 | 1 |
| Gllyl c6loriqe | KD | dg/L | ACC | 0C,0 | EWGhA34C3 | KD | | 1 |
| thGmyl # et6yl et6er | KD | dg/L | 0CA0 | 0C3A | EWGhA34C3 | KD | | 1 |
| thudtyl alco6ol | KD | dg/L | 10 | 9C4 | EWGhA34C3 | KD | | 1 |
| Parbon qisdlfiqe | KD | dg/L | 1C0 | 0CC, | EWGhA34C3 | KD | | 1 |
| transh1j4hDic6lorohbhbdtene | KD | dg/L | ACC | 1C4 | EWGhA34C3 | KD | | 1 |

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Plaremontj PG 91- 11

**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99r01 | **Client Sample Qame:** # 3h- j , /1C/3014 , :3A:00G#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Et6yl met6acrylate | KD | dg/L | 4C0 | 0C9- | EWGhA34C3 | KD | | 1 |
| Et6yl trbdtyl et6er | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| 3rHexanone | KD | dg/L | 10 | OC4 | EWGhA34C3 | KD | | 1 |
| # et6acrylonitrile | KD | dg/L | 10 | 1C | EWGhA34C3 | KD | | 1 |
| # et6yl et6yl . etone | KD | dg/L | 10 | 3CA | EWGhA34C3 | KD | | 1 |
| # et6yl ioqiqe | KD | dg/L | 3C0 | 0C4- | EWGhA34C3 | KD | | 1 |
| # et6yl isobdtyl . etone | KD | dg/L | 10 | 3C1 | EWGhA34C3 | KD | | 1 |
| # et6yl met6acrylate | KD | dg/L | AC0 | 1CA | EWGhA34C3 | KD | | 1 |
| KitrobenMene | KD | dg/L | CC0 | 1O | EWGhA34C3 | KD | U11 | 1 |
| Wentac6loroet6ane | KD | dg/L | 3C0 | 0C4O | EWGhA34C3 | KD | | 1 |
| Wropionitrile | KD | dg/L | 30 | 4C3 | EWGhA34C3 | KD | | 1 |
| Tetra6yqrofdran | KD | dg/L | 30 | AC3 | EWGhA34C3 | KD | | 1 |
| ph& mhXylenes | KD | dg/L | 0CA0 | 0C3, | EWGhA34C3 | KD | | 1 |
| ohXylene | KD | dg/L | 0CA0 | 0C0, 3 | EWGhA34C3 | KD | | 1 |
| 1j3rDic6loroet6anehq4 7SdrrogateF | 130 | % | - A h13A 7LPL h) PLF | | EWGhA34C3 | | | 1 |
| Toldenehq, 7SdrrogateF | 9, CA | % | , 0 h130 7LPL h) PLF | | EWGhA34C3 | | | 1 |
| 4hu romofldorobenMene 7SdrrogateF | , NC4 | % | , 0 h130 7LPL h) PLF | | EWGhA34C3 | | | 1 |

| Run # | 3 etdo. | hrep Date | Run Date/Time | ( nalVst | Instrument | Dilution | v C BatAd ID |
|---|---|---|---|---|---|---|---|
| 1 | EWGhA34C3 | 0, /1, /14 | 0, /19/14 1A:4, | 2PP | # SrU14 | 1 | uXH114, |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# G ater ( nalVsis ENeneral CdemistrVW

| **BCL Sample ID:** | 141, - 99r01 | **Client Sample Qame:** | # 3h- j , /1C/3014 , :3A:00G# |
|---|---|---|---|

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| herAdlorate | 1)6 | uc/L | 4)M | M47 | Ph( 0614)M | KD | J | 1 |

| Run # | 3 etdo. | hrep Date | Run Date/Time | ( nalVst | Instrument | Dilution | y C BatAd ID |
|---|---|---|---|---|---|---|---|
| 1 | EWGhC14C | 09/0A/14 | 09/0- /14 14:1N | LD1 | 5PN | 1 | uX5DNA, |

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**Reporte. :** 09/09/3014 1C.3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99r03 | **Client Sample Qame:** # 3hNj , /1C/3014 9:1C.00G#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| uenMene | KD | dg/L | 0GA0 | 0CC, O | EWGhA34G3 | KD | | 1 |
| uromobenMene | KD | dg/L | 0GA0 | 0C1O | EWGhA34G3 | KD | | 1 |
| uromoc6loromet6ane | KD | dg/L | 0GA0 | 0G34 | EWGhA34G3 | KD | | 1 |
| uromoqic6loromet6ane | KD | dg/L | 0GA0 | 0C14 | EWGhA34G3 | KD | | 1 |
| uromoform | KD | dg/L | 0GA0 | 0G3- | EWGhA34G3 | KD | | 1 |
| uromomet6ane | KD | dg/L | 1CC | 0G3A | EWGhA34G3 | KD | | 1 |
| nhudtylbenMene | KD | dg/L | 0GA0 | 0C11 | EWGhA34G3 | KD | | 1 |
| sechudtylbenMene | KD | dg/L | 0GA0 | 0C1A | EWGhA34G3 | KD | | 1 |
| terthudtylbenMene | KD | dg/L | 0GA0 | 0C1O | EWGhA34G3 | KD | | 1 |
| Parbon tetrac6loriqe | KD | dg/L | 0GA0 | 0C1, | EWGhA34G3 | KD | | 1 |
| P6lorobenMene | KD | dg/L | 0GA0 | 0CC9O | EWGhA34G3 | KD | | 1 |
| P6loroet6ane | KD | dg/L | 0GA0 | 0C14 | EWGhA34G3 | KD | | 1 |
| P6loroform | KD | dg/L | 0GA0 | 0C13 | EWGhA34G3 | KD | | 1 |
| P6loromet6ane | KD | dg/L | 0GA0 | 0C14 | EWGhA34G3 | KD | | 1 |
| 3hP6lorotoldene | KD | dg/L | 0GA0 | 0G30 | EWGhA34G3 | KD | | 1 |
| 4hP6lorotoldene | KD | dg/L | 0GA0 | 0C1A | EWGhA34G3 | KD | | 1 |
| Dibromoc6loromet6ane | KD | dg/L | 0GA0 | 0C1O | EWGhA34G3 | KD | | 1 |
| 1j3hDibromohOrc6loropropane | KD | dg/L | 1CC | 0G44 | EWGhA34G3 | KD | | 1 |
| 1j3hDibromoet6ane | KD | dg/L | 0GA0 | 0C1N | EWGhA34G3 | KD | | 1 |
| Dibromomet6ane | KD | dg/L | 0GA0 | 0G34 | EWGhA34G3 | KD | | 1 |
| 1j3hDic6lorobenMene | KD | dg/L | 0GA0 | 0CC- 3 | EWGhA34G3 | KD | | 1 |
| 1jOhDic6lorobenMene | KD | dg/L | 0GA0 | 0C1A | EWGhA34G3 | KD | | 1 |
| 1j4hDic6lorobenMene | KD | dg/L | 0GA0 | 0CCN3 | EWGhA34G3 | KD | | 1 |
| Dic6loroqifldoromet6ane | KD | dg/L | 0GA0 | 0CC99 | EWGhA34G3 | KD | | 1 |
| 1j1hDic6loroet6ane | KD | dg/L | 0GA0 | 0C11 | EWGhA34G3 | KD | | 1 |
| 1j3hDic6loroet6ane | KD | dg/L | 0GA0 | 0C1- | EWGhA34G3 | KD | | 1 |
| 1j1hDic6loroet6ene | KD | dg/L | 0GA0 | 0C1, | EWGhA34G3 | KD | | 1 |
| cish1j3hDic6loroet6ene | KD | dg/L | 0GA0 | 0CC, A | EWGhA34G3 | KD | | 1 |
| transh1j3hDic6loroet6ene | KD | dg/L | 0GA0 | 0C1A | EWGhA34G3 | KD | | 1 |
| 1j3hDic6loropropane | KD | dg/L | 0GA0 | 0C1O | EWGhA34G3 | KD | | 1 |
| 1jOhDic6loropropane | KD | dg/L | 0GA0 | 0CC, N | EWGhA34G3 | KD | | 1 |
| 3j3hDic6loropropane | KD | dg/L | 0GA0 | 0C1O | EWGhA34G3 | KD | | 1 |
| 1j1hDic6loropropene | KD | dg/L | 0GA0 | 0CC, A | EWGhA34G3 | KD | | 1 |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis EPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99h03 | **Client Sample Qame:** # 3hNj , /1C3014 9:1C.00G#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDic6loropropene | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| transh1jChDic6loropropene | KD | dg/L | 0CA0 | 0C0- 9 | EWGhA34C3 | KD | | 1 |
| Et6ylbenMene | KD | dg/L | 0CA0 | 0C09, | EWGhA34C3 | KD | | 1 |
| Hexac6lorobdtaqiene | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| 5sopropylbenMene | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| ph5sopropyltoldene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| # et6ylene c6loriqe | KD | dg/L | 0CA0 | 0C4, | EWGhA34C3 | KD | | 1 |
| # et6yl thbdtyl et6er | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| Kap6t6alene | KD | dg/L | 0CA0 | 0CCN | EWGhA34C3 | KD | | 1 |
| nhWopylbenMene | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| Styrene | KD | dg/L | 0CA0 | 0CCN, | EWGhA34C3 | KD | | 1 |
| 1j1j1j3hTetrac6loroet6ane | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| 1j1j3j3hTetrac6loroet6ane | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| **TetraAdloroetdene** | **MJ17** | **uc/L** | **MJ7M** | **MJ16** | **Ph( 0724)2** | KD | **J** | 1 |
| Toldene | KD | dg/L | 0CA0 | 0C09O | EWGhA34C3 | KD | | 1 |
| 1j3jChTric6lorobenMene | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| 1j3j4hTric6lorobenMene | KD | dg/L | 0CA0 | 0C19 | EWGhA34C3 | KD | | 1 |
| 1j1j1hTric6loroet6ane | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| 1j1j3hTric6loroet6ane | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| Tric6loroet6ene | KD | dg/L | 0CA0 | 0C0, A | EWGhA34C3 | KD | | 1 |
| Tric6lorofldoromet6ane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1j3jChTric6loropropane | KD | dg/L | 1C0 | 0C34 | EWGhA34C3 | KD | | 1 |
| 1j1j3hTric6lorohj3j3hrifldoroet6ane | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j3j4hTrimet6ylbenMene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| 1jCjAhTrimet6ylbenMene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| Uinyl c6loriqe | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| Gcetone | KD | dg/L | 10 | 4CN | EWGhA34C3 | KD | | 1 |
| Gcrylonitrile | KD | dg/L | ACC | 1C3 | EWGhA34C3 | KD | U11 | 1 |
| Gllyl c6loriqe | KD | dg/L | ACC | 0C,0 | EWGhA34C3 | KD | | 1 |
| thGmyl # et6yl et6er | KD | dg/L | 0CA0 | 0C3A | EWGhA34C3 | KD | | 1 |
| thudtyl alco6ol | KD | dg/L | 10 | 9C4 | EWGhA34C3 | KD | | 1 |
| Parbon qisdlfiqe | KD | dg/L | 1C0 | 0CC, | EWGhA34C3 | KD | | 1 |
| transh1j4hDic6lorohbhrbdtene | KD | dg/L | ACC | 1C4 | EWGhA34C3 | KD | | 1 |

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**Reporte. :** 09/09/3014 1C.3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99r03 | **Client Sample Qame:** # 3hNj , /1C/3014 9:1C.00G#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Et6yl met6acrylate | KD | dg/L | 4C0 | 0C9- | EWGhA34C3 | KD | | 1 |
| Et6yl trbdtyl et6er | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| 3rHexanone | KD | dg/L | 10 | OC4 | EWGhA34C3 | KD | | 1 |
| # et6acrylonitrile | KD | dg/L | 10 | 1C | EWGhA34C3 | KD | | 1 |
| # et6yl et6yl . etone | KD | dg/L | 10 | 3CA | EWGhA34C3 | KD | | 1 |
| # et6yl ioqiqe | KD | dg/L | 3C0 | 0C4- | EWGhA34C3 | KD | | 1 |
| # et6yl isobdtyl . etone | KD | dg/L | 10 | 3C1 | EWGhA34C3 | KD | | 1 |
| # et6yl met6acrylate | KD | dg/L | AC0 | 1CA | EWGhA34C3 | KD | | 1 |
| KitrobenMene | KD | dg/L | CC0 | 1O | EWGhA34C3 | KD | U11 | 1 |
| Wentac6loroet6ane | KD | dg/L | 3C0 | 0C4O | EWGhA34C3 | KD | | 1 |
| Wropionitrile | KD | dg/L | 30 | 4C3 | EWGhA34C3 | KD | | 1 |
| Tetra6yqrofdran | KD | dg/L | 30 | AC3 | EWGhA34C3 | KD | | 1 |
| ph& mhXylenes | KD | dg/L | 0CA0 | 0C3, | EWGhA34C3 | KD | | 1 |
| ohXylene | KD | dg/L | 0CA0 | 0C0, 3 | EWGhA34C3 | KD | | 1 |
| 1j3rDic6loroet6anehq4 7SdrrogateF | 113 | % | - A h13A 7LPL h) PLF | | EWGhA34C3 | | | 1 |
| Toldenehq, 7SdrrogateF | 99C1 | % | , 0 h130 7LPL h) PLF | | EWGhA34C3 | | | 1 |
| 4hu romofldorobenMene 7SdrrogateF | , OC9 | % | , 0 h130 7LPL h) PLF | | EWGhA34C3 | | | 1 |

| Run # | 3 etdo. | hrep Date | Run Date/Time | ( nalVst | Instrument | Dilution | v C BatAd ID |
|---|---|---|---|---|---|---|---|
| 1 | EWGhA34C3 | 0, /1, /14 | 0, /19/14 1N:11 | 2PP | # SrU14 | 1 | uXH114, |

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**Reporte. :** 09/09/3014 1C.3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# G ater ( nalVsis ENeneral CdemistrVW

**BCL Sample ID:** 141, - 99r03 | **Client Sample Qame:** # 3hNj , /1C/3014 9:1C.00G#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Werc6lorate | KD | dg/L | 4C | 0C4A | EWGrC14C | KD | | 1 |

| Run # | 3 etdo. | hrep Date | Run Date/Time | ( nalVst | Instrument | Dilution | y C BatAd ID |
|---|---|---|---|---|---|---|---|
| 1 | EWGrC14C | 09/0A/14 | 09/0A/14 3C.A1 | LD1 | 5PN | 1 | uX5DNA, |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99r0O | **Client Sample Qame:** # 3hAj , /1C/3014 9:CA:00G#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| uenMene | KD | dg/L | 0CA0 | 0C0, O | EWGhA34C3 | KD | | 1 |
| uromobenMene | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| uromoc6loromet6ane | KD | dg/L | 0CA0 | 0C34 | EWGhA34C3 | KD | | 1 |
| uromoqic6loromet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| uromoform | KD | dg/L | 0CA0 | 0C3- | EWGhA34C3 | KD | | 1 |
| uromomet6ane | KD | dg/L | 1C0 | 0C3A | EWGhA34C3 | KD | | 1 |
| nhudtylbenMene | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| sechudtylbenMene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| terthudtylbenMene | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| Parbon tetrac6loriqe | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| P6lorobenMene | KD | dg/L | 0CA0 | 0C09O | EWGhA34C3 | KD | | 1 |
| P6loroet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| P6loroform | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| P6loromet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| 3hP6lorotoldene | KD | dg/L | 0CA0 | 0C30 | EWGhA34C3 | KD | | 1 |
| 4hP6lorotoldene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| Dibromoc6loromet6ane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1j3hDibromohOhc6loropropane | KD | dg/L | 1C0 | 0C44 | EWGhA34C3 | KD | | 1 |
| 1j3hDibromoet6ane | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| Dibromomet6ane | KD | dg/L | 0CA0 | 0C34 | EWGhA34C3 | KD | | 1 |
| 1j3hDic6lorobenMene | KD | dg/L | 0CA0 | 0C0- 3 | EWGhA34C3 | KD | | 1 |
| 1jOhDic6lorobenMene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j4hDic6lorobenMene | KD | dg/L | 0CA0 | 0C0N3 | EWGhA34C3 | KD | | 1 |
| Dic6loroqifldoromet6ane | KD | dg/L | 0CA0 | 0C099 | EWGhA34C3 | KD | | 1 |
| 1j1hDic6loroet6ane | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| 1j3hDic6loroet6ane | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| 1j1hDic6loroet6ene | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| cish1j3hDic6loroet6ene | KD | dg/L | 0CA0 | 0C0, A | EWGhA34C3 | KD | | 1 |
| transh1j3hDic6loroet6ene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j3hDic6loropropane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1jOhDic6loropropane | KD | dg/L | 0CA0 | 0C0, N | EWGhA34C3 | KD | | 1 |
| 3j3hDic6loropropane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1j1hDic6loropropene | KD | dg/L | 0CA0 | 0C0, A | EWGhA34C3 | KD | | 1 |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99h0O | **Client Sample Qame:** # 3hAj , /1C/3014 9:OA:00G#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDic6loropropene | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| transh1jChDic6loropropene | KD | dg/L | 0CA0 | 0C0- 9 | EWGhA34C3 | KD | | 1 |
| Et6ylbenMene | KD | dg/L | 0CA0 | 0C09, | EWGhA34C3 | KD | | 1 |
| Hexac6lorobdtaqiene | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| 5sopropylbenMene | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| ph5sopropyltoldene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| # et6ylene c6loriqe | KD | dg/L | 0CA0 | 0C4, | EWGhA34C3 | KD | | 1 |
| # et6yl thbdtyl et6er | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| Kap6t6alene | KD | dg/L | 0CA0 | 0CCN | EWGhA34C3 | KD | | 1 |
| nhWopylbenMene | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| Styrene | KD | dg/L | 0CA0 | 0CCN, | EWGhA34C3 | KD | | 1 |
| 1j1j1j3hTetrac6loroet6ane | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| 1j1j3j3hTetrac6loroet6ane | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| Tetrac6loroet6ene | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| Toldene | KD | dg/L | 0CA0 | 0C09O | EWGhA34C3 | KD | | 1 |
| 1j3jChTric6lorobenMene | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| 1j3j4hTric6lorobenMene | KD | dg/L | 0CA0 | 0C19 | EWGhA34C3 | KD | | 1 |
| 1j1j1hTric6loroet6ane | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| 1j1j3hTric6loroet6ane | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| Tric6loroet6ene | KD | dg/L | 0CA0 | 0CC, A | EWGhA34C3 | KD | | 1 |
| Tric6lorofldoromet6ane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1j3jChTric6loropropane | KD | dg/L | 1CC | 0C34 | EWGhA34C3 | KD | | 1 |
| 1j1j3hTric6lorohj3j3htrifldoroet6ane | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j3j4hTrimet6ylbenMene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| 1jCjAhTrimet6ylbenMene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| Uinyl c6loriqe | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| Gcetone | KD | dg/L | 10 | 4CN | EWGhA34C3 | KD | | 1 |
| Gcrylonitrile | KD | dg/L | ACC | 1C3 | EWGhA34C3 | KD | U11 | 1 |
| Gllyl c6loriqe | KD | dg/L | ACC | 0C,0 | EWGhA34C3 | KD | | 1 |
| thGmyl # et6yl et6er | KD | dg/L | 0CA0 | 0C3A | EWGhA34C3 | KD | | 1 |
| thudtyl alco6ol | KD | dg/L | 10 | 9C4 | EWGhA34C3 | KD | | 1 |
| Parbon qisdlfiqe | KD | dg/L | 1CC | 0CC, | EWGhA34C3 | KD | | 1 |
| transh1j4hDic6lorohbhbdtene | KD | dg/L | ACC | 1C4 | EWGhA34C3 | KD | | 1 |

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Environmental Testing Laboratory Since 1949

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**Reporte. :** 09/09/3014 1C:3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis EPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99r0O | **Client Sample Qame:** # 3hAj , /1C/3014 9:CA:00G#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Et6yl met6acrylate | KD | dg/L | 4C0 | 0C9- | EWGhA34C3 | KD | | 1 |
| Et6yl trbdtyl et6er | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| 3rHexanone | KD | dg/L | 10 | OC4 | EWGhA34C3 | KD | | 1 |
| # et6acrylonitrile | KD | dg/L | 10 | 1C | EWGhA34C3 | KD | | 1 |
| # et6yl et6yl . etone | KD | dg/L | 10 | 3CA | EWGhA34C3 | KD | | 1 |
| # et6yl ioqiqe | KD | dg/L | 3C0 | 0C4- | EWGhA34C3 | KD | | 1 |
| # et6yl isobdtyl . etone | KD | dg/L | 10 | 3C1 | EWGhA34C3 | KD | | 1 |
| # et6yl met6acrylate | KD | dg/L | AC0 | 1CA | EWGhA34C3 | KD | | 1 |
| KitrobenMene | KD | dg/L | CC0 | 1O | EWGhA34C3 | KD | U11 | 1 |
| Wentac6loroet6ane | KD | dg/L | 3C0 | 0C4O | EWGhA34C3 | KD | | 1 |
| Wropionitrile | KD | dg/L | 30 | 4C3 | EWGhA34C3 | KD | | 1 |
| Tetra6yqrofdran | KD | dg/L | 30 | AC3 | EWGhA34C3 | KD | | 1 |
| ph& mhXylenes | KD | dg/L | 0CA0 | 0C3, | EWGhA34C3 | KD | | 1 |
| ohXylene | KD | dg/L | 0CA0 | 0C0, 3 | EWGhA34C3 | KD | | 1 |
| 1j3rDic6loroet6anehq4 7SdrrogateF | 113 | % | - A h13A 7LPL h) PLF | | EWGhA34C3 | | | 1 |
| Toldenehq, 7SdrrogateF | 99C4 | % | , 0 h130 7LPL h) PLF | | EWGhA34C3 | | | 1 |
| 4hu romofldorobenMene 7SdrrogateF | , 3CA | % | , 0 h130 7LPL h) PLF | | EWGhA34C3 | | | 1 |

| Run # | 3 etdo. | hrep Date | Run Date/Time | ( nalVst | Instrument | Dilution | v C BatAd ID |
|---|---|---|---|---|---|---|---|
| 1 | EWGhA34C3 | 0, /1, /14 | 0, /19/14 1N:O4 | 2PP | # SrU14 | 1 | uXH114, |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# G ater ( nalVsis ENeneral CdemistrVW

**BCL Sample ID:** 141, - 99r0O | **Client Sample Qame:** # 3hAj , /1C/3014 9:CA:00G#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Werc6lorate | KD | dg/L | 4C | 0C4A | EWGrC14C | KD | | 1 |

| Run # | 3 etdo. | hrep Date | Run Date/Time | ( nalVst | Instrument | Dilution | y C BatAd ID |
|---|---|---|---|---|---|---|---|
| 1 | EWGrC14C | 09/0A/14 | 09/0N/14 00:0A | LD1 | 5PN | 1 | uX5DNA, |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99h04 | **Client Sample Qame:** # 3h4j , /1C/3014 10:00:00G#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| uenMene | KD | dg/L | 0CA0 | 0C0, O | EWGhA34C3 | KD | | 1 |
| uromobenMene | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| uromoc6loromet6ane | KD | dg/L | 0CA0 | 0C34 | EWGhA34C3 | KD | | 1 |
| uromoqic6loromet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| uromoform | KD | dg/L | 0CA0 | 0C3- | EWGhA34C3 | KD | | 1 |
| uromomet6ane | KD | dg/L | 1C0 | 0C3A | EWGhA34C3 | KD | | 1 |
| nhudtylbenMene | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| sechudtylbenMene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| terthudtylbenMene | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| Parbon tetrac6loriqe | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| P6lorobenMene | KD | dg/L | 0CA0 | 0C09O | EWGhA34C3 | KD | | 1 |
| P6loroet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| P6loroform | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| P6loromet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| 3hP6lorotoldene | KD | dg/L | 0CA0 | 0C30 | EWGhA34C3 | KD | | 1 |
| 4hP6lorotoldene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| Dibromoc6loromet6ane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1j3hDibromohOhc6loropropane | KD | dg/L | 1C0 | 0C44 | EWGhA34C3 | KD | | 1 |
| 1j3hDibromoet6ane | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| Dibromomet6ane | KD | dg/L | 0CA0 | 0C34 | EWGhA34C3 | KD | | 1 |
| 1j3hDic6lorobenMene | KD | dg/L | 0CA0 | 0C0- 3 | EWGhA34C3 | KD | | 1 |
| 1jChDic6lorobenMene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j4hDic6lorobenMene | KD | dg/L | 0CA0 | 0C0N3 | EWGhA34C3 | KD | | 1 |
| Dic6loroqifldoromet6ane | KD | dg/L | 0CA0 | 0C099 | EWGhA34C3 | KD | | 1 |
| 1j1hDic6loroet6ane | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| 1j3hDic6loroet6ane | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| 1j1hDic6loroet6ene | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| cish1j3hDic6loroet6ene | KD | dg/L | 0CA0 | 0C0, A | EWGhA34C3 | KD | | 1 |
| transh1j3hDic6loroet6ene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j3hDic6loropropane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1jChDic6loropropane | KD | dg/L | 0CA0 | 0C0, N | EWGhA34C3 | KD | | 1 |
| 3j3hDic6loropropane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1j1hDic6loropropene | KD | dg/L | 0CA0 | 0C0, A | EWGhA34C3 | KD | | 1 |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis EPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99h04 | **Client Sample Qame:** # 3h4j , /1C/3014 10:00:00G#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDic6loropropene | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| transh1jChDic6loropropene | KD | dg/L | 0CA0 | 0C0- 9 | EWGhA34C3 | KD | | 1 |
| Et6ylbenMene | KD | dg/L | 0CA0 | 0C09, | EWGhA34C3 | KD | | 1 |
| Hexac6lorobdtaqiene | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| 5sopropylbenMene | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| ph5sopropyltoldene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| # et6ylene c6loriqe | KD | dg/L | 0CA0 | 0C4, | EWGhA34C3 | KD | | 1 |
| # et6yl thbdtyl et6er | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| Kap6t6alene | KD | dg/L | 0CA0 | 0CCN | EWGhA34C3 | KD | | 1 |
| nhWopylbenMene | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| Styrene | KD | dg/L | 0CA0 | 0CCN, | EWGhA34C3 | KD | | 1 |
| 1j1j1j3hTetrac6loroet6ane | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| 1j1j3j3hTetrac6loroet6ane | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| **TetraAdloroetdene** | **M21** | **uc/L** | **M7M** | **M16** | **Ph( 0724)2** | KD | **J** | 1 |
| Toldene | KD | dg/L | 0CA0 | 0C09O | EWGhA34C3 | KD | | 1 |
| 1j3jChTric6lorobenMene | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| 1j3j4hTric6lorobenMene | KD | dg/L | 0CA0 | 0C19 | EWGhA34C3 | KD | | 1 |
| 1j1j1hTric6loroet6ane | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| 1j1j3hTric6loroet6ane | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| Tric6loroet6ene | KD | dg/L | 0CA0 | 0C0, A | EWGhA34C3 | KD | | 1 |
| Tric6lorofldoromet6ane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1j3jChTric6loropropane | KD | dg/L | 1C0 | 0C34 | EWGhA34C3 | KD | | 1 |
| 1j1j3hTric6lorohlj3j3htrifldoroet6ane | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j3j4hTrimet6ylbenMene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| 1jCJAhTrimet6ylbenMene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| Uinyl c6loriqe | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| Gcetone | KD | dg/L | 10 | 4CN | EWGhA34C3 | KD | | 1 |
| Gcrylonitrile | KD | dg/L | ACC | 1C3 | EWGhA34C3 | KD | U11 | 1 |
| Gllyl c6loriqe | KD | dg/L | ACC | 0C,0 | EWGhA34C3 | KD | | 1 |
| thGmyl # et6yl et6er | KD | dg/L | 0CA0 | 0C3A | EWGhA34C3 | KD | | 1 |
| thudtyl alco6ol | KD | dg/L | 10 | 9C4 | EWGhA34C3 | KD | | 1 |
| Parbon qisdlfiqe | KD | dg/L | 1C0 | 0CC, | EWGhA34C3 | KD | | 1 |
| transh1j4hDic6lorohlhbdtene | KD | dg/L | ACC | 1C4 | EWGhA34C3 | KD | | 1 |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99r04 | **Client Sample Qame:** # 3h4j , /1C/3014 10:00:00G#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Et6yl met6acrylate | KD | dg/L | 4C0 | 0C9- | EWGhA34C3 | KD | | 1 |
| Et6yl trbdtyl et6er | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| 3rHexanone | KD | dg/L | 10 | OC4 | EWGhA34C3 | KD | | 1 |
| # et6acrylonitrile | KD | dg/L | 10 | 1C | EWGhA34C3 | KD | | 1 |
| # et6yl et6yl . etone | KD | dg/L | 10 | 3CA | EWGhA34C3 | KD | | 1 |
| # et6yl ioqiqe | KD | dg/L | 3C0 | 0C4- | EWGhA34C3 | KD | | 1 |
| # et6yl isobdtyl . etone | KD | dg/L | 10 | 3C1 | EWGhA34C3 | KD | | 1 |
| # et6yl met6acrylate | KD | dg/L | AC0 | 1CA | EWGhA34C3 | KD | | 1 |
| KitrobenMene | KD | dg/L | CC0 | 1O | EWGhA34C3 | KD | U11 | 1 |
| Wentac6loroet6ane | KD | dg/L | 3C0 | 0C4O | EWGhA34C3 | KD | | 1 |
| Wropionitrile | KD | dg/L | 30 | 4C3 | EWGhA34C3 | KD | | 1 |
| Tetra6yqrofdran | KD | dg/L | 30 | AC3 | EWGhA34C3 | KD | | 1 |
| ph& mhXylenes | KD | dg/L | 0CA0 | 0C3, | EWGhA34C3 | KD | | 1 |
| ohXylene | KD | dg/L | 0CA0 | 0C0, 3 | EWGhA34C3 | KD | | 1 |
| 1j3rDic6loroet6anehq4 7SdrrogateF | 11N | % | - A h13A 7LPL h) PLF | | EWGhA34C3 | | | 1 |
| Toldenehq, 7SdrrogateF | 9, C3 | % | , 0 h130 7LPL h) PLF | | EWGhA34C3 | | | 1 |
| 4hu romofldorobenMene 7SdrrogateF | , NC | % | , 0 h130 7LPL h) PLF | | EWGhA34C3 | | | 1 |

| Run # | 3 etdo. | hrep Date | Run Date/Time | ( nalVst | Instrument | Dilution | v C BatAd ID |
|---|---|---|---|---|---|---|---|
| 1 | EWGhA34C3 | 0, /1, /14 | 0, /19/14 1N:A, | 2PP | # SrU14 | 1 | uXH114, |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# G ater ( nalVsis ENeneral CdemistrVW

| **BCL Sample ID:** | 141, - 99r04 | **Client Sample Qame:** | # 3h4j , /1C/3014 10:00:00G# |
|---|---|---|---|

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| herAdlorate | 5)5 | uc/L | 4)M | M47 | Ph( 0614)M | KD | | 1 |

| Run # | 3 etdo. | hrep Date | Run Date/Time | ( nalVst | Instrument | Dilution | y C BatAd ID |
|---|---|---|---|---|---|---|---|
| 1 | EWGhO14C | 09/0A/14 | 09/0, /14 09:3O | LD1 | 5PN | 1 | uX5DNA, |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99r0A | **Client Sample Qame:** # 3rCj , /1C/3014 10:3C.00G#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| uenMene | KD | dg/L | 0CA0 | 0C0, O | EWGhA34C3 | KD | | 1 |
| uromobenMene | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| uromoc6loromet6ane | KD | dg/L | 0CA0 | 0C34 | EWGhA34C3 | KD | | 1 |
| uromoqic6loromet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| uromoform | KD | dg/L | 0CA0 | 0C3- | EWGhA34C3 | KD | | 1 |
| uromomet6ane | KD | dg/L | 1C0 | 0C3A | EWGhA34C3 | KD | | 1 |
| nhudtylbenMene | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| sechudtylbenMene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| terthudtylbenMene | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| Parbon tetrac6loriqe | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| P6lorobenMene | KD | dg/L | 0CA0 | 0C09O | EWGhA34C3 | KD | | 1 |
| P6loroet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| P6loroform | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| P6loromet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| 3rP6lorotoldene | KD | dg/L | 0CA0 | 0C30 | EWGhA34C3 | KD | | 1 |
| 4rP6lorotoldene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| Dibromoc6loromet6ane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1j3rDibromohCrc6loropropane | KD | dg/L | 1C0 | 0C44 | EWGhA34C3 | KD | | 1 |
| 1j3rDibromoet6ane | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| Dibromomet6ane | KD | dg/L | 0CA0 | 0C34 | EWGhA34C3 | KD | | 1 |
| 1j3rDic6lorobenMene | KD | dg/L | 0CA0 | 0C0- 3 | EWGhA34C3 | KD | | 1 |
| 1jCrDic6lorobenMene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j4rDic6lorobenMene | KD | dg/L | 0CA0 | 0C0N3 | EWGhA34C3 | KD | | 1 |
| Dic6loroqifldoromet6ane | KD | dg/L | 0CA0 | 0C099 | EWGhA34C3 | KD | | 1 |
| 1j1rDic6loroet6ane | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| 1j3rDic6loroet6ane | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| 1j1rDic6loroet6ene | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| cisr1j3rDic6loroet6ene | KD | dg/L | 0CA0 | 0C0, A | EWGhA34C3 | KD | | 1 |
| transr1j3rDic6loroet6ene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j3rDic6loropropane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1jCrDic6loropropane | KD | dg/L | 0CA0 | 0C0, N | EWGhA34C3 | KD | | 1 |
| 3j3rDic6loropropane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1j1rDic6loropropene | KD | dg/L | 0CA0 | 0C0, A | EWGhA34C3 | KD | | 1 |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99h0A | **Client Sample Qame:** # 3hCj , /1C/3014 10:3C.00G#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDic6loropropene | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| transh1jChDic6loropropene | KD | dg/L | 0CA0 | 0C0- 9 | EWGhA34C3 | KD | | 1 |
| Et6ylbenMene | KD | dg/L | 0CA0 | 0C09, | EWGhA34C3 | KD | | 1 |
| Hexac6lorobdtaqiene | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| 5sopropylbenMene | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| ph5sopropyltoldene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| # et6ylene c6loriqe | KD | dg/L | 0CA0 | 0C4, | EWGhA34C3 | KD | | 1 |
| # et6yl thbdtyl et6er | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| Kap6t6alene | KD | dg/L | 0CA0 | 0CCN | EWGhA34C3 | KD | | 1 |
| nhWopylbenMene | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| Styrene | KD | dg/L | 0CA0 | 0CCN, | EWGhA34C3 | KD | | 1 |
| 1j1j1j3hTetrac6loroet6ane | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| 1j1j3j3hTetrac6loroet6ane | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| **TetraAdloroetdene** | **MJ17** | **uc/L** | **MJ7M** | **MJ16** | **Ph( 0724)2** | KD | **J** | 1 |
| Toldene | KD | dg/L | 0CA0 | 0C09O | EWGhA34C3 | KD | | 1 |
| 1j3jChTric6lorobenMene | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| 1j3j4hTric6lorobenMene | KD | dg/L | 0CA0 | 0C19 | EWGhA34C3 | KD | | 1 |
| 1j1j1hTric6loroet6ane | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| 1j1j3hTric6loroet6ane | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| Tric6loroet6ene | KD | dg/L | 0CA0 | 0C0, A | EWGhA34C3 | KD | | 1 |
| Tric6lorofldoromet6ane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1j3jChTric6loropropane | KD | dg/L | 1C0 | 0C34 | EWGhA34C3 | KD | | 1 |
| 1j1j3hTric6lorohj3j3htrifldoroet6ane | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j3j4hTrimet6ylbenMene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| 1jCjAhTrimet6ylbenMene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| Uinyl c6loriqe | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| Gcetone | KD | dg/L | 10 | 4CN | EWGhA34C3 | KD | | 1 |
| Gcrylonitrile | KD | dg/L | ACC | 1C3 | EWGhA34C3 | KD | U11 | 1 |
| Gllyl c6loriqe | KD | dg/L | ACC | 0C,0 | EWGhA34C3 | KD | | 1 |
| thGmyl # et6yl et6er | KD | dg/L | 0CA0 | 0C3A | EWGhA34C3 | KD | | 1 |
| thudtyl alco6ol | KD | dg/L | 10 | 9C4 | EWGhA34C3 | KD | | 1 |
| Parbon qisdlfiqe | KD | dg/L | 1C0 | 0CC, | EWGhA34C3 | KD | | 1 |
| transh1j4hDic6lorohbhbdtene | KD | dg/L | ACC | 1C4 | EWGhA34C3 | KD | | 1 |

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**Reporte. :** 09/09/3014 1C.3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis EPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99r0A | **Client Sample Qame:** # 3rCj , /1C/3014 10:3C.00G#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Et6yl met6acrylate | KD | dg/L | 4C0 | 0C9- | EWGhA34C3 | KD | | 1 |
| Et6yl trbdtyl et6er | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| 3rHexanone | KD | dg/L | 10 | OC4 | EWGhA34C3 | KD | | 1 |
| # et6acrylonitrile | KD | dg/L | 10 | 1C | EWGhA34C3 | KD | | 1 |
| # et6yl et6yl . etone | KD | dg/L | 10 | 3CA | EWGhA34C3 | KD | | 1 |
| # et6yl ioqiqe | KD | dg/L | 3C0 | 0C4- | EWGhA34C3 | KD | | 1 |
| # et6yl isobdtyl . etone | KD | dg/L | 10 | 3C1 | EWGhA34C3 | KD | | 1 |
| # et6yl met6acrylate | KD | dg/L | AC0 | 1CA | EWGhA34C3 | KD | | 1 |
| KitrobenMene | KD | dg/L | CC0 | 1O | EWGhA34C3 | KD | U11 | 1 |
| Wentac6loroet6ane | KD | dg/L | 3C0 | 0C4O | EWGhA34C3 | KD | | 1 |
| Wropionitrile | KD | dg/L | 30 | 4C3 | EWGhA34C3 | KD | | 1 |
| Tetra6yqrofdran | KD | dg/L | 30 | AC3 | EWGhA34C3 | KD | | 1 |
| ph& mhXylenes | KD | dg/L | 0CA0 | 0C3, | EWGhA34C3 | KD | | 1 |
| ohXylene | KD | dg/L | 0CA0 | 0C0, 3 | EWGhA34C3 | KD | | 1 |
| 1j3rDic6loroet6anehq4 7SdrrogateF | 10N | % | - A h13A 7LPL h) PLF | | EWGhA34C3 | | | 1 |
| Toldenehq, 7SdrrogateF | 9NC3 | % | , 0 h130 7LPL h) PLF | | EWGhA34C3 | | | 1 |
| 4hu romofldorobenMene 7SdrrogateF | , 3CN | % | , 0 h130 7LPL h) PLF | | EWGhA34C3 | | | 1 |

| Run # | 3 etdo. | hrep Date | Run Date/Time | ( nalVst | Instrument | Dilution | v C BatAd ID |
|---|---|---|---|---|---|---|---|
| 1 | EWGhA34C3 | 0, /19/14 | 0, /19/14 13:19 | 2PP | # SrU14 | 1 | uXH13, N |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# G ater ( nalVsis ENeneral CdemistrVW

| **BCL Sample ID:** | 141, - 99r0A | **Client Sample Qame:** | # 3rCj , /1C/3014 10:3C.00G# |
|---|---|---|---|

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| herAdlorate | 2)M | uc/L | 4)M | M47 | Ph( 0614)M | KD | J | 1 |

| Run # | 3 etdo. | hrep Date | Run Date/Time | ( nalVst | Instrument | Dilution | y C BatAd ID |
|---|---|---|---|---|---|---|---|
| 1 | EWGhC14C | 09/0A/14 | 09/0N/14 00:CC | LD1 | 5PN | 1 | uX5DNA, |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99r0N | **Client Sample Qame:** # 3r3j , /1C/3014 10:4, :00G#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| uenMene | KD | dg/L | 0GA0 | 0C0, O | EWGhA34G3 | KD | | 1 |
| uromobenMene | KD | dg/L | 0GA0 | 0C1O | EWGhA34G3 | KD | | 1 |
| uromoc6loromet6ane | KD | dg/L | 0GA0 | 0G34 | EWGhA34G3 | KD | | 1 |
| uromoqic6loromet6ane | KD | dg/L | 0GA0 | 0C14 | EWGhA34G3 | KD | | 1 |
| uromoform | KD | dg/L | 0GA0 | 0G3- | EWGhA34G3 | KD | | 1 |
| uromomet6ane | KD | dg/L | 1C0 | 0G3A | EWGhA34G3 | KD | | 1 |
| nhudtylbenMene | KD | dg/L | 0GA0 | 0C11 | EWGhA34G3 | KD | | 1 |
| sechudtylbenMene | KD | dg/L | 0GA0 | 0C1A | EWGhA34G3 | KD | | 1 |
| terthudtylbenMene | KD | dg/L | 0GA0 | 0C1O | EWGhA34G3 | KD | | 1 |
| Parbon tetrac6loriqe | KD | dg/L | 0GA0 | 0C1, | EWGhA34G3 | KD | | 1 |
| P6lorobenMene | KD | dg/L | 0GA0 | 0C09O | EWGhA34G3 | KD | | 1 |
| P6loroet6ane | KD | dg/L | 0GA0 | 0C14 | EWGhA34G3 | KD | | 1 |
| P6loroform | KD | dg/L | 0GA0 | 0C13 | EWGhA34G3 | KD | | 1 |
| P6loromet6ane | KD | dg/L | 0GA0 | 0C14 | EWGhA34G3 | KD | | 1 |
| 3rP6lorotoldene | KD | dg/L | 0GA0 | 0G30 | EWGhA34G3 | KD | | 1 |
| 4rP6lorotoldene | KD | dg/L | 0GA0 | 0C1A | EWGhA34G3 | KD | | 1 |
| Dibromoc6loromet6ane | KD | dg/L | 0GA0 | 0C1O | EWGhA34G3 | KD | | 1 |
| 1j3rDibromohOrc6loropropane | KD | dg/L | 1C0 | 0G44 | EWGhA34G3 | KD | | 1 |
| 1j3rDibromoet6ane | KD | dg/L | 0GA0 | 0C1N | EWGhA34G3 | KD | | 1 |
| Dibromomet6ane | KD | dg/L | 0GA0 | 0G34 | EWGhA34G3 | KD | | 1 |
| 1j3rDic6lorobenMene | KD | dg/L | 0GA0 | 0C0- 3 | EWGhA34G3 | KD | | 1 |
| 1jOrDic6lorobenMene | KD | dg/L | 0GA0 | 0C1A | EWGhA34G3 | KD | | 1 |
| 1j4rDic6lorobenMene | KD | dg/L | 0GA0 | 0C0N3 | EWGhA34G3 | KD | | 1 |
| Dic6loroqifldoromet6ane | KD | dg/L | 0GA0 | 0C099 | EWGhA34G3 | KD | | 1 |
| 1j1rDic6loroet6ane | KD | dg/L | 0GA0 | 0C11 | EWGhA34G3 | KD | | 1 |
| 1j3rDic6loroet6ane | KD | dg/L | 0GA0 | 0C1- | EWGhA34G3 | KD | | 1 |
| 1j1rDic6loroet6ene | KD | dg/L | 0GA0 | 0C1, | EWGhA34G3 | KD | | 1 |
| cish1j3rDic6loroet6ene | KD | dg/L | 0GA0 | 0C0, A | EWGhA34G3 | KD | | 1 |
| transh1j3rDic6loroet6ene | KD | dg/L | 0GA0 | 0C1A | EWGhA34G3 | KD | | 1 |
| 1j3rDic6loropropane | KD | dg/L | 0GA0 | 0C1O | EWGhA34G3 | KD | | 1 |
| 1jOrDic6loropropane | KD | dg/L | 0GA0 | 0C0, N | EWGhA34G3 | KD | | 1 |
| 3j3rDic6loropropane | KD | dg/L | 0GA0 | 0C1O | EWGhA34G3 | KD | | 1 |
| 1j1rDic6loropropene | KD | dg/L | 0GA0 | 0C0, A | EWGhA34G3 | KD | | 1 |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis EPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99h0N | **Client Sample Qame:** # 3h3j , /1C3014 10:4, :00G#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDic6loropropene | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| transh1jChDic6loropropene | KD | dg/L | 0CA0 | 0C0- 9 | EWGhA34C3 | KD | | 1 |
| Et6ylbenMene | KD | dg/L | 0CA0 | 0C09, | EWGhA34C3 | KD | | 1 |
| Hexac6lorobdtaqiene | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| 5sopropylbenMene | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| ph5sopropyltoldene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| # et6ylene c6loriqe | KD | dg/L | 0CA0 | 0C4, | EWGhA34C3 | KD | | 1 |
| # et6yl thbdtyl et6er | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| Kap6t6alene | KD | dg/L | 0CA0 | 0CCN | EWGhA34C3 | KD | | 1 |
| nhWopylbenMene | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| Styrene | KD | dg/L | 0CA0 | 0CCN, | EWGhA34C3 | KD | | 1 |
| 1j1j1j3hTetrac6loroet6ane | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| 1j1j3j3hTetrac6loroet6ane | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| **TetraAdloroetdene** | **MJ18** | **uc/L** | **MJ7M** | **MJ16** | **Ph( 0724)2** | KD | **J** | 1 |
| Toldene | KD | dg/L | 0CA0 | 0C09O | EWGhA34C3 | KD | | 1 |
| 1j3jChTric6lorobenMene | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| 1j3j4hTric6lorobenMene | KD | dg/L | 0CA0 | 0C19 | EWGhA34C3 | KD | | 1 |
| 1j1j1hTric6loroet6ane | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| 1j1j3hTric6loroet6ane | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| Tric6loroet6ene | KD | dg/L | 0CA0 | 0C0, A | EWGhA34C3 | KD | | 1 |
| Tric6lorofldoromet6ane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1j3jChTric6loropropane | KD | dg/L | 1C0 | 0C34 | EWGhA34C3 | KD | | 1 |
| 1j1j3hTric6lorohj3j3htrifldoroet6ane | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j3j4hTrimet6ylbenMene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| 1jCJAhTrimet6ylbenMene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| Uinyl c6loriqe | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| Gcetone | KD | dg/L | 10 | 4C3N | EWGhA34C3 | KD | | 1 |
| Gcrylonitrile | KD | dg/L | ACC | 1C3 | EWGhA34C3 | KD | U11 | 1 |
| Gllyl c6loriqe | KD | dg/L | ACC | 0C,0 | EWGhA34C3 | KD | | 1 |
| thGmyl # et6yl et6er | KD | dg/L | 0CA0 | 0C3A | EWGhA34C3 | KD | | 1 |
| thu dtyl alco6ol | KD | dg/L | 10 | 9C4 | EWGhA34C3 | KD | | 1 |
| Parbon qisdlfiqe | KD | dg/L | 1C0 | 0CC, | EWGhA34C3 | KD | | 1 |
| transh1j4hDic6lorohbhbdtene | KD | dg/L | ACC | 1C4 | EWGhA34C3 | KD | | 1 |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99r0N | **Client Sample Qame:** # 3r3j , /1C/3014 10:4, :00G#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Et6yl met6acrylate | KD | dg/L | 4C0 | 0C9- | EWGhA34C3 | KD | | 1 |
| Et6yl trbdtyl et6er | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| 3rHexanone | KD | dg/L | 10 | OC4 | EWGhA34C3 | KD | | 1 |
| # et6acrylonitrile | KD | dg/L | 10 | 1C | EWGhA34C3 | KD | | 1 |
| # et6yl et6yl . etone | KD | dg/L | 10 | 3CA | EWGhA34C3 | KD | | 1 |
| # et6yl ioqiqe | KD | dg/L | 3C0 | 0C4- | EWGhA34C3 | KD | | 1 |
| # et6yl isobdtyl . etone | KD | dg/L | 10 | 3C1 | EWGhA34C3 | KD | | 1 |
| # et6yl met6acrylate | KD | dg/L | AC0 | 1CA | EWGhA34C3 | KD | | 1 |
| KitrobenMene | KD | dg/L | CC0 | 1O | EWGhA34C3 | KD | U11 | 1 |
| Wentac6loroet6ane | KD | dg/L | 3C0 | 0C4O | EWGhA34C3 | KD | | 1 |
| Wropionitrile | KD | dg/L | 30 | 4C3 | EWGhA34C3 | KD | | 1 |
| Tetra6yqrofdran | KD | dg/L | 30 | AC3 | EWGhA34C3 | KD | | 1 |
| ph& mhXylenes | KD | dg/L | 0CA0 | 0C3, | EWGhA34C3 | KD | | 1 |
| ohXylene | KD | dg/L | 0CA0 | 0C0, 3 | EWGhA34C3 | KD | | 1 |
| 1j3rDic6loroet6anehq4 7SdrrogateF | 11, | % | - A h13A 7LPL h) PLF | | EWGhA34C3 | | | 1 |
| Toldenehq, 7SdrrogateF | 103 | % | , 0 h130 7LPL h) PLF | | EWGhA34C3 | | | 1 |
| 4hu romofldorobenMene 7SdrrogateF | , CC, | % | , 0 h130 7LPL h) PLF | | EWGhA34C3 | | | 1 |

| Run # | 3 etdo. | hrep Date | Run Date/Time | ( nalVst | Instrument | Dilution | v C BatAd ID |
|---|---|---|---|---|---|---|---|
| 1 | EWGhA34C3 | 0, /19/14 | 0, /19/14 13:43 | 2PP | # SrU14 | 1 | uXH13, N |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# G ater ( nalVsis ENeneral CdemistrVW

| **BCL Sample ID:** | 141, - 99r0N | **Client Sample Qame:** | # 3r3j , /1C/3014 10:4, :00G# |
|---|---|---|---|

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| herAdlorate | 1)4 | uc/L | 4)M | M47 | Ph( 0614)M | KD | J | 1 |

| Run # | 3 etdo. | hrep Date | Run Date/Time | ( nalVst | Instrument | Dilution | y C BatAd ID |
|---|---|---|---|---|---|---|---|
| 1 | EWGhO14C0 | 09/0A/14 | 09/0N/14 00:4N | LD1 | 5PN | 1 | uX50NA, |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99h0- | **Client Sample Qame:** K30hNj , /1C/3014 13:00:00W#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| uenMene | KD | dg/L | 0CA0 | 0C0, O | EWGhA34C3 | KD | | 1 |
| uromobenMene | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| uromoc6loromet6ane | KD | dg/L | 0CA0 | 0C34 | EWGhA34C3 | KD | | 1 |
| uromoqic6loromet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| uromoform | KD | dg/L | 0CA0 | 0C3- | EWGhA34C3 | KD | | 1 |
| uromomet6ane | KD | dg/L | 1C0 | 0C3A | EWGhA34C3 | KD | | 1 |
| nhudtylbenMene | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| sechudtylbenMene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| terthudtylbenMene | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| Parbon tetrac6loriqe | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| P6lorobenMene | KD | dg/L | 0CA0 | 0C09O | EWGhA34C3 | KD | | 1 |
| P6loroet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| P6loroform | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| P6loromet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| 3hP6lorotoldene | KD | dg/L | 0CA0 | 0C30 | EWGhA34C3 | KD | | 1 |
| 4hP6lorotoldene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| Dibromoc6loromet6ane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1j3hDibromohOhc6loropropane | KD | dg/L | 1C0 | 0C44 | EWGhA34C3 | KD | | 1 |
| 1j3hDibromoet6ane | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| Dibromomet6ane | KD | dg/L | 0CA0 | 0C34 | EWGhA34C3 | KD | | 1 |
| 1j3hDic6lorobenMene | KD | dg/L | 0CA0 | 0C0- 3 | EWGhA34C3 | KD | | 1 |
| 1jChDic6lorobenMene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j4hDic6lorobenMene | KD | dg/L | 0CA0 | 0C0N3 | EWGhA34C3 | KD | | 1 |
| Dic6loroqifldoromet6ane | KD | dg/L | 0CA0 | 0C099 | EWGhA34C3 | KD | | 1 |
| 1j1hDic6loroet6ane | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| 1j3hDic6loroet6ane | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| 1j1hDic6loroet6ene | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| cish1j3hDic6loroet6ene | KD | dg/L | 0CA0 | 0C0, A | EWGhA34C3 | KD | | 1 |
| transh1j3hDic6loroet6ene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j3hDic6loropropane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1jChDic6loropropane | KD | dg/L | 0CA0 | 0C0, N | EWGhA34C3 | KD | | 1 |
| 3j3hDic6loropropane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1j1hDic6loropropene | KD | dg/L | 0CA0 | 0C0, A | EWGhA34C3 | KD | | 1 |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99h0- | **Client Sample Qame:** K30hNj , /1C/3014 13:00:00W#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDic6loropropene | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| transh1jChDic6loropropene | KD | dg/L | 0CA0 | 0C0- 9 | EWGhA34C3 | KD | | 1 |
| Et6ylbenMene | KD | dg/L | 0CA0 | 0C09, | EWGhA34C3 | KD | | 1 |
| Hexac6lorobdtaqiene | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| 5sopropylbenMene | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| ph5sopropyltoldene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| # et6ylene c6loriqe | KD | dg/L | 0CA0 | 0C4, | EWGhA34C3 | KD | | 1 |
| # et6yl thbdtyl et6er | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| Kap6t6alene | KD | dg/L | 0CA0 | 0CCN | EWGhA34C3 | KD | | 1 |
| nhWopylbenMene | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| Styrene | KD | dg/L | 0CA0 | 0CCN, | EWGhA34C3 | KD | | 1 |
| 1j1j1j3hTetrac6loroet6ane | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| 1j1j3j3hTetrac6loroet6ane | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| Tetrac6loroet6ene | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| Toldene | KD | dg/L | 0CA0 | 0C09O | EWGhA34C3 | KD | | 1 |
| 1j3jChTric6lorobenMene | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| 1j3j4hTric6lorobenMene | KD | dg/L | 0CA0 | 0C19 | EWGhA34C3 | KD | | 1 |
| 1j1j1hTric6loroet6ane | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| 1j1j3hTric6loroet6ane | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| Tric6loroet6ene | KD | dg/L | 0CA0 | 0CC, A | EWGhA34C3 | KD | | 1 |
| Tric6lorofldoromet6ane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1j3jChTric6loropropane | KD | dg/L | 1CC | 0C34 | EWGhA34C3 | KD | | 1 |
| 1j1j3hTric6lorohj3j3htrifldoroet6ane | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j3j4hTrimet6ylbenMene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| 1jCjAhTrimet6ylbenMene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| Uinyl c6loriqe | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| Gcetone | KD | dg/L | 10 | 4CN | EWGhA34C3 | KD | | 1 |
| Gcrylonitrile | KD | dg/L | ACC | 1C3 | EWGhA34C3 | KD | U11 | 1 |
| Gllyl c6loriqe | KD | dg/L | ACC | 0C,0 | EWGhA34C3 | KD | | 1 |
| thGmyl # et6yl et6er | KD | dg/L | 0CA0 | 0C3A | EWGhA34C3 | KD | | 1 |
| thudtyl alco6ol | KD | dg/L | 10 | 9C4 | EWGhA34C3 | KD | | 1 |
| Parbon qisdlfiqe | KD | dg/L | 1CC | 0CC, | EWGhA34C3 | KD | | 1 |
| transh1j4hDic6lorohbhbdtene | KD | dg/L | ACC | 1C4 | EWGhA34C3 | KD | | 1 |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99h0- | **Client Sample Qame:** K30hNj , /1C/3014 13:00:00W#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Et6yl met6acrylate | KD | dg/L | 4C0 | 0C9- | EWGhA34C3 | KD | | 1 |
| Et6yl thbdtyl et6er | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| 3hHexanone | KD | dg/L | 10 | OC4 | EWGhA34C3 | KD | | 1 |
| # et6acrylonitrile | KD | dg/L | 10 | 1C | EWGhA34C3 | KD | | 1 |
| # et6yl et6yl . etone | KD | dg/L | 10 | 3CA | EWGhA34C3 | KD | | 1 |
| # et6yl ioqiqe | KD | dg/L | 3C0 | 0C4- | EWGhA34C3 | KD | | 1 |
| # et6yl isobdtyl . etone | KD | dg/L | 10 | 3C1 | EWGhA34C3 | KD | | 1 |
| # et6yl met6acrylate | KD | dg/L | AC0 | 1CA | EWGhA34C3 | KD | | 1 |
| KitrobenMene | KD | dg/L | CC0 | 1O | EWGhA34C3 | KD | U11 | 1 |
| Wentac6loroet6ane | KD | dg/L | 3C0 | 0C4O | EWGhA34C3 | KD | | 1 |
| Wropionitrile | KD | dg/L | 30 | 4C3 | EWGhA34C3 | KD | | 1 |
| Tetra6yqrofdran | KD | dg/L | 30 | AC3 | EWGhA34C3 | KD | | 1 |
| ph& mhXylenes | KD | dg/L | 0CA0 | 0C3, | EWGhA34C3 | KD | | 1 |
| ohXylene | KD | dg/L | 0CA0 | 0C0, 3 | EWGhA34C3 | KD | | 1 |
| 1j3hDic6loroet6anehq4 7SdrrogateF | 130 | % | - A h13A 7LPL h) PLF | | EWGhA34C3 | | | 1 |
| Toldenehq, 7SdrrogateF | 100 | % | , 0 h130 7LPL h) PLF | | EWGhA34C3 | | | 1 |
| 4hu romofldorobenMene 7SdrrogateF | , OC4 | % | , 0 h130 7LPL h) PLF | | EWGhA34C3 | | | 1 |

| Run # | 3 etdo. | hrep Date | Run Date/Time | ( nalVst | Instrument | Dilution | v C BatAd ID |
|---|---|---|---|---|---|---|---|
| 1 | EWGhA34C3 | 0, /19/14 | 0, /19/14 1- :31 | 2PP | # SHU14 | 1 | uXH13, N |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# G ater ( nalVsis ENeneral CdemistrVW

**BCL Sample ID:** 141, - 99r0- | **Client Sample Qame:** K30hNj , /1C/3014 13:00:00W#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| herAdlorate | M74 | uc/L | 4)M | M47 | Ph( 0614)M | KD | J | 1 |

| Run # | 3 etdo. | hrep Date | Run Date/Time | ( nalVst | Instrument | Dilution | y C BatAd ID |
|---|---|---|---|---|---|---|---|
| 1 | EWGhC14C0 | 09/0A/14 | 09/0N/14 01:3, | LD1 | 5PN | 1 | uX50NA, |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99h0, | **Client Sample Qame:** K30hAj , /1C/3014 13:C3:00W#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| uenMene | KD | dg/L | 0CA0 | 0C0, O | EWGhA34C3 | KD | | 1 |
| uromobenMene | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| uromoc6loromet6ane | KD | dg/L | 0CA0 | 0C34 | EWGhA34C3 | KD | | 1 |
| uromoqic6loromet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| uromoform | KD | dg/L | 0CA0 | 0C3- | EWGhA34C3 | KD | | 1 |
| uromomet6ane | KD | dg/L | 1C0 | 0C3A | EWGhA34C3 | KD | | 1 |
| nhudtylbenMene | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| sechudtylbenMene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| terthudtylbenMene | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| Parbon tetrac6loriqe | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| P6lorobenMene | KD | dg/L | 0CA0 | 0C09O | EWGhA34C3 | KD | | 1 |
| P6loroet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| P6loroform | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| P6loromet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| 3hP6lorotoldene | KD | dg/L | 0CA0 | 0C30 | EWGhA34C3 | KD | | 1 |
| 4hP6lorotoldene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| Dibromoc6loromet6ane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1j3hDibromohOhc6loropropane | KD | dg/L | 1C0 | 0C44 | EWGhA34C3 | KD | | 1 |
| 1j3hDibromoet6ane | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| Dibromomet6ane | KD | dg/L | 0CA0 | 0C34 | EWGhA34C3 | KD | | 1 |
| 1j3hDic6lorobenMene | KD | dg/L | 0CA0 | 0C0- 3 | EWGhA34C3 | KD | | 1 |
| 1jChDic6lorobenMene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j4hDic6lorobenMene | KD | dg/L | 0CA0 | 0C0N3 | EWGhA34C3 | KD | | 1 |
| Dic6loroqifldoromet6ane | KD | dg/L | 0CA0 | 0C099 | EWGhA34C3 | KD | | 1 |
| 1j1hDic6loroet6ane | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| 1j3hDic6loroet6ane | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| 1j1hDic6loroet6ene | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| cish1j3hDic6loroet6ene | KD | dg/L | 0CA0 | 0C0, A | EWGhA34C3 | KD | | 1 |
| transh1j3hDic6loroet6ene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j3hDic6loropropane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1jChDic6loropropane | KD | dg/L | 0CA0 | 0C0, N | EWGhA34C3 | KD | | 1 |
| 3j3hDic6loropropane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1j1hDic6loropropene | KD | dg/L | 0CA0 | 0C0, A | EWGhA34C3 | KD | | 1 |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis EPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99h0, | **Client Sample Qame:** K30hAj , /1C/3014 13:C3:00W#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDic6loropropene | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| transh1jChDic6loropropene | KD | dg/L | 0CA0 | 0CC- 9 | EWGhA34C3 | KD | | 1 |
| Et6ylbenMene | KD | dg/L | 0CA0 | 0CC9, | EWGhA34C3 | KD | | 1 |
| Hexac6lorobdtaqiene | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| 5sopropylbenMene | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| ph5sopropyltoldene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| # et6ylene c6loriqe | KD | dg/L | 0CA0 | 0C4, | EWGhA34C3 | KD | | 1 |
| # et6yl thbdtyl et6er | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| Kap6t6alene | KD | dg/L | 0CA0 | 0CCN | EWGhA34C3 | KD | | 1 |
| nhWopylbenMene | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| Styrene | KD | dg/L | 0CA0 | 0CCN, | EWGhA34C3 | KD | | 1 |
| 1j1j1j3hTetrac6loroet6ane | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| 1j1j3j3hTetrac6loroet6ane | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| Tetrac6loroet6ene | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| Toldene | KD | dg/L | 0CA0 | 0CC9O | EWGhA34C3 | KD | | 1 |
| 1j3jChTric6lorobenMene | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| 1j3j4hTric6lorobenMene | KD | dg/L | 0CA0 | 0C19 | EWGhA34C3 | KD | | 1 |
| 1j1j1hTric6loroet6ane | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| 1j1j3hTric6loroet6ane | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| Tric6loroet6ene | KD | dg/L | 0CA0 | 0CC, A | EWGhA34C3 | KD | | 1 |
| Tric6lorofldoromet6ane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | U11 | 1 |
| 1j3jChTric6loropropane | KD | dg/L | 1CC | 0C34 | EWGhA34C3 | KD | | 1 |
| 1j1j3hTric6lorohlj3j3htrifldoroet6ane | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j3j4hTrimet6ylbenMene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| 1jCjAhTrimet6ylbenMene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| Uinyl c6loriqe | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| Gcetone | KD | dg/L | 10 | 4CN | EWGhA34C3 | KD | | 1 |
| Gcrylonitrile | KD | dg/L | ACC | 1C3 | EWGhA34C3 | KD | U01jU11 | 1 |
| Gllyl c6loriqe | KD | dg/L | ACC | 0C,0 | EWGhA34C3 | KD | | 1 |
| thGmyl # et6yl et6er | KD | dg/L | 0CA0 | 0C3A | EWGhA34C3 | KD | | 1 |
| thu dtyl alco6ol | KD | dg/L | 10 | 9C4 | EWGhA34C3 | KD | | 1 |
| Parbon qisdlfiqe | KD | dg/L | 1CC | 0CC, | EWGhA34C3 | KD | | 1 |
| transh1j4hDic6lorohlhbdtene | KD | dg/L | ACC | 1C4 | EWGhA34C3 | KD | | 1 |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99h0, | **Client Sample Qame:** K30hAj , /1C/3014 13:C3:00W#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Et6yl met6acrylate | KD | dg/L | 4C0 | 0C9- | EWGhA34C3 | KD | | 1 |
| Et6yl trbdtyl et6er | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| 3hHexanone | KD | dg/L | 10 | C24 | EWGhA34C3 | KD | | 1 |
| # et6acrylonitrile | KD | dg/L | 10 | 1C | EWGhA34C3 | KD | | 1 |
| # et6yl et6yl . etone | KD | dg/L | 10 | 3CA | EWGhA34C3 | KD | | 1 |
| # et6yl ioqiqe | KD | dg/L | 3C0 | 0C4- | EWGhA34C3 | KD | | 1 |
| # et6yl isobdtyl . etone | KD | dg/L | 10 | 3C1 | EWGhA34C3 | KD | | 1 |
| # et6yl met6acrylate | KD | dg/L | AC0 | 1CA | EWGhA34C3 | KD | | 1 |
| KitrobenMene | KD | dg/L | C0 | 1O | EWGhA34C3 | KD | U11 | 1 |
| Wentac6loroet6ane | KD | dg/L | 3C0 | 0C4O | EWGhA34C3 | KD | U01jU11 | 1 |
| Wropionitrile | KD | dg/L | 30 | 4C3 | EWGhA34C3 | KD | | 1 |
| Tetra6yqrofdran | KD | dg/L | 30 | AC3 | EWGhA34C3 | KD | | 1 |
| ph& mhXylenes | KD | dg/L | 0CA0 | 0C3, | EWGhA34C3 | KD | | 1 |
| ohXylene | KD | dg/L | 0CA0 | 0C0, 3 | EWGhA34C3 | KD | | 1 |
| 1j3hDic6loroet6anehq4 7SdrrogateF | 113 | % | - A h13A 7LPL h) PLF | | EWGhA34C3 | | | 1 |
| Toldenehq, 7SdrrogateF | 9- C4 | % | , 0 h130 7LPL h) PLF | | EWGhA34C3 | | | 1 |
| 4hu romofldorobenMene 7SdrrogateF | - 9C | % | , 0 h130 7LPL h) PLF | | EWGhA34C3 | | S09 | 1 |

| Run # | 3 etdo. | hrep Date | Run Date/Time | ( nalVst | Instrument | Dilution | v C BatAd ID |
|---|---|---|---|---|---|---|---|
| 1 | EWGhA34C3 | 0, /19/14 | 0, /31/14 33:34 | 2PP | # SHU14 | 1 | uXH13, N |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# G ater ( nalVsis ENeneral CdemistrVW

**BCL Sample ID:** 141, - 99r0, **Client Sample Qame:** K30hAj , /1C/3014 13:C3:00W#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Werc6lorate | KD | dg/L | 4C | 0C4A | EWGrC14C | KD | | 1 |

| Run # | 3 etdo. | hrep Date | Run Date/Time | ( nalVst | Instrument | Dilution | y C BatAd ID |
|---|---|---|---|---|---|---|---|
| 1 | EWGrC14C | 09/0A/14 | 09/0N/14 01:43 | LD1 | 5PN | 1 | uX5DNA, |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99r09 | **Client Sample Qame:** K30h4j , /1C/3014 13:A- :00W#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| uenMene | KD | dg/L | 0CA0 | 0C0, O | EWGhA34C3 | KD | | 1 |
| uromobenMene | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| uromoc6loromet6ane | KD | dg/L | 0CA0 | 0C34 | EWGhA34C3 | KD | | 1 |
| uromoqic6loromet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| uromoform | KD | dg/L | 0CA0 | 0C3- | EWGhA34C3 | KD | | 1 |
| uromomet6ane | KD | dg/L | 1C0 | 0C3A | EWGhA34C3 | KD | | 1 |
| nhudtylbenMene | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| sechudtylbenMene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| terthudtylbenMene | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| Parbon tetrac6loriqe | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| P6lorobenMene | KD | dg/L | 0CA0 | 0C09O | EWGhA34C3 | KD | | 1 |
| P6loroet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| P6loroform | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| P6loromet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| 3hP6lorotoldene | KD | dg/L | 0CA0 | 0C30 | EWGhA34C3 | KD | | 1 |
| 4hP6lorotoldene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| Dibromoc6loromet6ane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1j3hDibromohOhc6loropropane | KD | dg/L | 1C0 | 0C44 | EWGhA34C3 | KD | | 1 |
| 1j3hDibromoet6ane | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| Dibromomet6ane | KD | dg/L | 0CA0 | 0C34 | EWGhA34C3 | KD | | 1 |
| 1j3hDic6lorobenMene | KD | dg/L | 0CA0 | 0C0- 3 | EWGhA34C3 | KD | | 1 |
| 1jChDic6lorobenMene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j4hDic6lorobenMene | KD | dg/L | 0CA0 | 0C0N3 | EWGhA34C3 | KD | | 1 |
| Dic6loroqifldoromet6ane | KD | dg/L | 0CA0 | 0C099 | EWGhA34C3 | KD | | 1 |
| 1j1hDic6loroet6ane | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| 1j3hDic6loroet6ane | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| 1j1hDic6loroet6ene | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| cish1j3hDic6loroet6ene | KD | dg/L | 0CA0 | 0C0, A | EWGhA34C3 | KD | | 1 |
| transh1j3hDic6loroet6ene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j3hDic6loropropane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1jChDic6loropropane | KD | dg/L | 0CA0 | 0C0, N | EWGhA34C3 | KD | | 1 |
| 3j3hDic6loropropane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1j1hDic6loropropene | KD | dg/L | 0CA0 | 0C0, A | EWGhA34C3 | KD | | 1 |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99h09 | **Client Sample Qame:** K30h4j , /1C/3014 13:A- :00W#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDic6loropropene | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| transh1jChDic6loropropene | KD | dg/L | 0CA0 | 0C0- 9 | EWGhA34C3 | KD | | 1 |
| Et6ylbenMene | KD | dg/L | 0CA0 | 0C09, | EWGhA34C3 | KD | | 1 |
| Hexac6lorobdtaqiene | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| 5sopropylbenMene | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| ph5sopropyltoldene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| # et6ylene c6loriqe | KD | dg/L | 0CA0 | 0C4, | EWGhA34C3 | KD | | 1 |
| # et6yl thbdtyl et6er | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| Kap6t6alene | KD | dg/L | 0CA0 | 0CCN | EWGhA34C3 | KD | | 1 |
| nhWopylbenMene | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| Styrene | KD | dg/L | 0CA0 | 0CCN, | EWGhA34C3 | KD | | 1 |
| 1j1j1j3hTetrac6loroet6ane | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| 1j1j3j3hTetrac6loroet6ane | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| Tetrac6loroet6ene | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| Toldene | KD | dg/L | 0CA0 | 0C09O | EWGhA34C3 | KD | | 1 |
| 1j3jChTric6lorobenMene | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| 1j3j4hTric6lorobenMene | KD | dg/L | 0CA0 | 0C19 | EWGhA34C3 | KD | | 1 |
| 1j1j1hTric6loroet6ane | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| 1j1j3hTric6loroet6ane | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| Tric6loroet6ene | KD | dg/L | 0CA0 | 0C0, A | EWGhA34C3 | KD | | 1 |
| Tric6lorofldoromet6ane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | U11 | 1 |
| 1j3jChTric6loropropane | KD | dg/L | 1C0 | 0C34 | EWGhA34C3 | KD | | 1 |
| 1j1j3hTric6lorph1j3j3htrifldoroet6ane | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j3j4hTrimet6ylbenMene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| 1jCjAhTrimet6ylbenMene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| Uinyl c6loriqe | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| Gcetone | KD | dg/L | 10 | 4C1N | EWGhA34C3 | KD | | 1 |
| Gcrylonitrile | KD | dg/L | ACC | 1C3 | EWGhA34C3 | KD | U01jU11 | 1 |
| Gllyl c6loriqe | KD | dg/L | ACC | 0C,0 | EWGhA34C3 | KD | | 1 |
| thGmyl # et6yl et6er | KD | dg/L | 0CA0 | 0C3A | EWGhA34C3 | KD | | 1 |
| thu dtyl alco6ol | KD | dg/L | 10 | 9C4 | EWGhA34C3 | KD | | 1 |
| Parbon qisdlfiqe | KD | dg/L | 1C0 | 0CC, | EWGhA34C3 | KD | | 1 |
| transh1j4hDic6lorph3hbdtene | KD | dg/L | ACC | 1C4 | EWGhA34C3 | KD | | 1 |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99h09 | **Client Sample Qame:** K30h4j , /1C/3014 13:A- :00W#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Et6yl met6acrylate | KD | dg/L | 4C0 | 0C9- | EWGhA34C3 | KD | | 1 |
| Et6yl trbdtyl et6er | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| 3hHexanone | KD | dg/L | 10 | OC4 | EWGhA34C3 | KD | | 1 |
| # et6acrylonitrile | KD | dg/L | 10 | 1C | EWGhA34C3 | KD | | 1 |
| # et6yl et6yl . etone | KD | dg/L | 10 | 3CA | EWGhA34C3 | KD | | 1 |
| # et6yl ioqiqe | KD | dg/L | 3C0 | 0C4- | EWGhA34C3 | KD | | 1 |
| # et6yl isobdtyl . etone | KD | dg/L | 10 | 3C1 | EWGhA34C3 | KD | | 1 |
| # et6yl met6acrylate | KD | dg/L | AC0 | 1CA | EWGhA34C3 | KD | | 1 |
| KitrobenMene | KD | dg/L | CC0 | 1O | EWGhA34C3 | KD | U11 | 1 |
| Wentac6loroet6ane | KD | dg/L | 3C0 | 0C4O | EWGhA34C3 | KD | U01jU11 | 1 |
| Wropionitrile | KD | dg/L | 30 | 4C3 | EWGhA34C3 | KD | | 1 |
| Tetra6yqrofdran | KD | dg/L | 30 | AC3 | EWGhA34C3 | KD | | 1 |
| ph& mhXylenes | KD | dg/L | 0CA0 | 0C3, | EWGhA34C3 | KD | | 1 |
| ohXylene | KD | dg/L | 0CA0 | 0C0, 3 | EWGhA34C3 | KD | | 1 |
| 1j3hDic6loroet6anehq4 7SdrrogateF | 110 | % | - A h13A 7LPL h) PLF | | EWGhA34C3 | | | 1 |
| Toldenehq, 7SdrrogateF | 9- C4 | % | , 0 h130 7LPL h) PLF | | EWGhA34C3 | | | 1 |
| 4hu romofldorobenMene 7SdrrogateF | , CC | % | , 0 h130 7LPL h) PLF | | EWGhA34C3 | | | 1 |

| Run # | 3 etdo. | hrep Date | Run Date/Time | ( nalVst | Instrument | Dilution | v C BatAd ID |
|---|---|---|---|---|---|---|---|
| 1 | EWGhA34C3 | 0, /19/14 | 0, /31/14 33:4- | 2PP | # SHU14 | 1 | uXH13, N |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# G ater ( nalVsis ENeneral CdemistrVW

| **BCL Sample ID:** | 141, - 99r09 | **Client Sample Qame:** | K30h4j , /1C/3014 13:A- :00W# |
|---|---|---|---|

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Werc6lorate | KD | dg/L | 4C | 0C4A | EWGrC140C | KD | | 1 |

| Run # | 3 etdo. | hrep Date | Run Date/Time | ( nalVst | Instrument | Dilution | y C BatAd ID |
|---|---|---|---|---|---|---|---|
| 1 | EWGrC140C | 09/0A/14 | 09/0N/14 0C.CC | LD1 | 5PN | 1 | uX50NA, |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis EPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99h10 | **Client Sample Qame:** K30hCj , /1C/3014 1:30:00W#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| uenMene | KD | dg/L | 0CA0 | 0C0, O | EWGhA34C3 | KD | | 1 |
| uromobenMene | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| uromoc6loromet6ane | KD | dg/L | 0CA0 | 0C34 | EWGhA34C3 | KD | | 1 |
| uromoqic6loromet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| uromoform | KD | dg/L | 0CA0 | 0C3- | EWGhA34C3 | KD | | 1 |
| uromomet6ane | KD | dg/L | 1C0 | 0C3A | EWGhA34C3 | KD | | 1 |
| nhudtylbenMene | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| sechudtylbenMene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| terthudtylbenMene | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| Parbon tetrac6loriqe | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| P6lorobenMene | KD | dg/L | 0CA0 | 0C09O | EWGhA34C3 | KD | | 1 |
| P6loroet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| P6loroform | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| P6loromet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| 3hP6lorotoldene | KD | dg/L | 0CA0 | 0C30 | EWGhA34C3 | KD | | 1 |
| 4hP6lorotoldene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| Dibromoc6loromet6ane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1j3hDibromohChc6loropropane | KD | dg/L | 1C0 | 0C44 | EWGhA34C3 | KD | | 1 |
| 1j3hDibromoet6ane | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| Dibromomet6ane | KD | dg/L | 0CA0 | 0C34 | EWGhA34C3 | KD | | 1 |
| 1j3hDic6lorobenMene | KD | dg/L | 0CA0 | 0C0- 3 | EWGhA34C3 | KD | | 1 |
| 1jChDic6lorobenMene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j4hDic6lorobenMene | KD | dg/L | 0CA0 | 0C0N3 | EWGhA34C3 | KD | | 1 |
| Dic6loroqifldoromet6ane | KD | dg/L | 0CA0 | 0C099 | EWGhA34C3 | KD | | 1 |
| 1j1hDic6loroet6ane | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| 1j3hDic6loroet6ane | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| 1j1hDic6loroet6ene | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| cish1j3hDic6loroet6ene | KD | dg/L | 0CA0 | 0C0, A | EWGhA34C3 | KD | | 1 |
| transh1j3hDic6loroet6ene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j3hDic6loropropane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1jChDic6loropropane | KD | dg/L | 0CA0 | 0C0, N | EWGhA34C3 | KD | | 1 |
| 3j3hDic6loropropane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1j1hDic6loropropene | KD | dg/L | 0CA0 | 0C0, A | EWGhA34C3 | KD | | 1 |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99h10 | **Client Sample Qame:** K30hCj , /1C/3014 1:30:00W#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDic6loropropene | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| transh1jChDic6loropropene | KD | dg/L | 0CA0 | 0C0- 9 | EWGhA34C3 | KD | | 1 |
| Et6ylbenMene | KD | dg/L | 0CA0 | 0C09, | EWGhA34C3 | KD | | 1 |
| Hexac6lorobdtaqiene | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| 5sopropylbenMene | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| ph5sopropyltoldene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| # et6ylene c6loriqe | KD | dg/L | 0CA0 | 0C4, | EWGhA34C3 | KD | | 1 |
| # et6yl thbdtyl et6er | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| Kap6t6alene | KD | dg/L | 0CA0 | 0CCN | EWGhA34C3 | KD | | 1 |
| nhWopylbenMene | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| Styrene | KD | dg/L | 0CA0 | 0CCN, | EWGhA34C3 | KD | | 1 |
| 1j1j1j3hTetrac6loroet6ane | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| 1j1j3j3hTetrac6loroet6ane | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| Tetrac6loroet6ene | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| Toldene | KD | dg/L | 0CA0 | 0C09O | EWGhA34C3 | KD | | 1 |
| 1j3jChTric6lorobenMene | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| 1j3j4hTric6lorobenMene | KD | dg/L | 0CA0 | 0C19 | EWGhA34C3 | KD | | 1 |
| 1j1j1hTric6loroet6ane | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| 1j1j3hTric6loroet6ane | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| Tric6loroet6ene | KD | dg/L | 0CA0 | 0CC, A | EWGhA34C3 | KD | | 1 |
| Tric6lorofldoromet6ane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | U11 | 1 |
| 1j3jChTric6loropropane | KD | dg/L | 1CC | 0C34 | EWGhA34C3 | KD | | 1 |
| 1j1j3hTric6lorohlj3j3htrifldoroet6ane | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j3j4hTrimet6ylbenMene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| 1jCjAhTrimet6ylbenMene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| Uinyl c6loriqe | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| Gcetone | KD | dg/L | 10 | 4CN | EWGhA34C3 | KD | | 1 |
| Gcrylonitrile | KD | dg/L | ACC | 1C3 | EWGhA34C3 | KD | U01jU11 | 1 |
| Gllyl c6loriqe | KD | dg/L | ACC | 0C,0 | EWGhA34C3 | KD | | 1 |
| thGmyl # et6yl et6er | KD | dg/L | 0CA0 | 0C3A | EWGhA34C3 | KD | | 1 |
| thu dtyl alco6ol | KD | dg/L | 10 | 9C4 | EWGhA34C3 | KD | | 1 |
| Parbon qisdlfiqe | KD | dg/L | 1CC | 0CC, | EWGhA34C3 | KD | | 1 |
| transh1j4hDic6lorohBhbdtene | KD | dg/L | ACC | 1C4 | EWGhA34C3 | KD | | 1 |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99h10 | **Client Sample Qame:** K30hCj , /1C/3014 1:30:00W#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Et6yl met6acrylate | KD | dg/L | 4C0 | 0C9- | EWGhA34C3 | KD | | 1 |
| Et6yl trbdtyl et6er | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| 3hHexanone | KD | dg/L | 10 | OC4 | EWGhA34C3 | KD | | 1 |
| # et6acrylonitrile | KD | dg/L | 10 | 1C | EWGhA34C3 | KD | | 1 |
| # et6yl et6yl . etone | KD | dg/L | 10 | 3CA | EWGhA34C3 | KD | | 1 |
| # et6yl ioqiqe | KD | dg/L | 3C0 | 0C4- | EWGhA34C3 | KD | | 1 |
| # et6yl isobdtyl . etone | KD | dg/L | 10 | 3C1 | EWGhA34C3 | KD | | 1 |
| # et6yl met6acrylate | KD | dg/L | AC0 | 1CA | EWGhA34C3 | KD | | 1 |
| KitrobenMene | KD | dg/L | CC0 | 1O | EWGhA34C3 | KD | U11 | 1 |
| Wentac6loroet6ane | KD | dg/L | 3C0 | 0C4O | EWGhA34C3 | KD | U01jU11 | 1 |
| Wropionitrile | KD | dg/L | 30 | 4C3 | EWGhA34C3 | KD | | 1 |
| Tetra6yqrofdran | KD | dg/L | 30 | AC3 | EWGhA34C3 | KD | | 1 |
| ph& mhXylenes | KD | dg/L | 0CA0 | 0C3, | EWGhA34C3 | KD | | 1 |
| ohXylene | KD | dg/L | 0CA0 | 0C0, 3 | EWGhA34C3 | KD | | 1 |
| 1j3hDic6loroet6anehq4 7SdrrogateF | 11N | % | - A h13A 7LPL h) PLF | | EWGhA34C3 | | | 1 |
| Toldenehq, 7SdrrogateF | 99G | % | , 0 h130 7LPL h) PLF | | EWGhA34C3 | | | 1 |
| 4hu romofldorobenMene 7SdrrogateF | - - G | % | , 0 h130 7LPL h) PLF | | EWGhA34C3 | | S09 | 1 |

| Run # | 3 etdo. | hrep Date | Run Date/Time | ( nalVst | Instrument | Dilution | v C BatAd ID |
|---|---|---|---|---|---|---|---|
| 1 | EWGhA34C3 | 0, /19/14 | 0, /31/14 3C10 | 2PP | # SHU14 | 1 | uXH13, N |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# G ater ( nalVsis ENeneral CdemistrVW

**BCL Sample ID:** 141, - 99h10 | **Client Sample Qame:** K30hCj , /1C/3014 1:30:00W#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Werc6lorate | KD | dg/L | 4C | 0C4A | EWGhC14C | KD | | 1 |

| Run # | 3 etdo. | hrep Date | Run Date/Time | ( nalVst | Instrument | Dilution | y C BatAd ID |
|---|---|---|---|---|---|---|---|
| 1 | EWGhC14C | 09/0A/14 | 09/0N/14 04:14 | LD1 | 5PN | 1 | uX5DNA, |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis EPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99h11 | **Client Sample Qame:** K30h1j , /1C/3014 3:1- :00W#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| uenMene | KD | dg/L | 0CA0 | 0C0, O | EWGhA34C3 | KD | | 1 |
| uromobenMene | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| uromoc6loromet6ane | KD | dg/L | 0CA0 | 0C34 | EWGhA34C3 | KD | | 1 |
| uromoqic6loromet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| uromoform | KD | dg/L | 0CA0 | 0C3- | EWGhA34C3 | KD | | 1 |
| uromomet6ane | KD | dg/L | 1C0 | 0C3A | EWGhA34C3 | KD | | 1 |
| nhudtylbenMene | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| sechudtylbenMene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| terthudtylbenMene | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| Parbon tetrac6loriqe | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| P6lorobenMene | KD | dg/L | 0CA0 | 0C09O | EWGhA34C3 | KD | | 1 |
| P6loroet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| P6loroform | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| P6loromet6ane | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| 3hP6lorotoldene | KD | dg/L | 0CA0 | 0C30 | EWGhA34C3 | KD | | 1 |
| 4hP6lorotoldene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| Dibromoc6loromet6ane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1j3hDibromohOhc6loropropane | KD | dg/L | 1C0 | 0C44 | EWGhA34C3 | KD | | 1 |
| 1j3hDibromoet6ane | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| Dibromomet6ane | KD | dg/L | 0CA0 | 0C34 | EWGhA34C3 | KD | | 1 |
| 1j3hDic6lorobenMene | KD | dg/L | 0CA0 | 0C0- 3 | EWGhA34C3 | KD | | 1 |
| 1jChDic6lorobenMene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j4hDic6lorobenMene | KD | dg/L | 0CA0 | 0C0N3 | EWGhA34C3 | KD | | 1 |
| **DiAdloro. ifluorometdane** | **1)M** | **uc/L** | **M)7M** | **MM- -** | **Ph( 0724)2** | KD | | 1 |
| **1,10DiAdloroetdane** | **M)19** | **uc/L** | **M)7M** | **M)11** | **Ph( 0724)2** | KD | **J** | 1 |
| 1j3hDic6loroet6ane | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| 1j1hDic6loroet6ene | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| cish1j3hDic6loroet6ene | KD | dg/L | 0CA0 | 0C0, A | EWGhA34C3 | KD | | 1 |
| transh1j3hDic6loroet6ene | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j3hDic6loropropane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1jChDic6loropropane | KD | dg/L | 0CA0 | 0C0, N | EWGhA34C3 | KD | | 1 |
| 3j3hDic6loropropane | KD | dg/L | 0CA0 | 0C1O | EWGhA34C3 | KD | | 1 |
| 1j1hDic6loropropene | KD | dg/L | 0CA0 | 0C0, A | EWGhA34C3 | KD | | 1 |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99h11 | **Client Sample Qame:** K30h1j , /1C/3014 3:1- :00W#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| cish1jChDic6loropropene | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| transh1jChDic6loropropene | KD | dg/L | 0CA0 | 0CC- 9 | EWGhA34C3 | KD | | 1 |
| Et6ylbenMene | KD | dg/L | 0CA0 | 0CC9, | EWGhA34C3 | KD | | 1 |
| Hexac6lorobdtaqiene | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| 5sopropylbenMene | KD | dg/L | 0CA0 | 0C14 | EWGhA34C3 | KD | | 1 |
| ph5sopropyltoldene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| # et6ylene c6loriqe | KD | dg/L | 0CA0 | 0C4, | EWGhA34C3 | KD | | 1 |
| # et6yl thbdtyl et6er | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| Kap6t6alene | KD | dg/L | 0CA0 | 0CCN | EWGhA34C3 | KD | | 1 |
| nhWopylbenMene | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| Styrene | KD | dg/L | 0CA0 | 0CCN, | EWGhA34C3 | KD | | 1 |
| 1j1j1j3hTetrac6loroet6ane | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| 1j1j3j3hTetrac6loroet6ane | KD | dg/L | 0CA0 | 0C1- | EWGhA34C3 | KD | | 1 |
| **TetraAdloroetdene** | **5)2** | **uc/L** | **M)7M** | **M)16** | **Ph( 0724)2** | KD | | 1 |
| Toldene | KD | dg/L | 0CA0 | 0CC9O | EWGhA34C3 | KD | | 1 |
| 1j3jChTric6lorobenMene | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| 1j3j4hTric6lorobenMene | KD | dg/L | 0CA0 | 0C19 | EWGhA34C3 | KD | | 1 |
| 1j1j1hTric6loroet6ane | KD | dg/L | 0CA0 | 0C11 | EWGhA34C3 | KD | | 1 |
| 1j1j3hTric6loroet6ane | KD | dg/L | 0CA0 | 0C1N | EWGhA34C3 | KD | | 1 |
| **TriAdloroetdene** | **M)7M** | **uc/L** | **M)7M** | **M)M87** | **Ph( 0724)2** | KD | | 1 |
| **TriAdlorofluorometdane** | **M)95** | **uc/L** | **M)7M** | **M)16** | **Ph( 0724)2** | KD | **O11** | 1 |
| 1j3jChTric6loropropane | KD | dg/L | 1CC | 0C34 | EWGhA34C3 | KD | | 1 |
| 1j1j3hTric6lorohlj3j3htrifldoroet6ane | KD | dg/L | 0CA0 | 0C1A | EWGhA34C3 | KD | | 1 |
| 1j3j4hTrimet6ylbenMene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| 1jCjAhTrimet6ylbenMene | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| Uinyl c6loriqe | KD | dg/L | 0CA0 | 0C13 | EWGhA34C3 | KD | | 1 |
| Gcetone | KD | dg/L | 10 | 4CN | EWGhA34C3 | KD | | 1 |
| Gcrylonitrile | KD | dg/L | ACC | 1C3 | EWGhA34C3 | KD | U01jU11 | 1 |
| Gllyl c6loriqe | KD | dg/L | ACC | 0C,0 | EWGhA34C3 | KD | | 1 |
| thGmyl # et6yl et6er | KD | dg/L | 0CA0 | 0C3A | EWGhA34C3 | KD | | 1 |
| thu dtyl alco6ol | KD | dg/L | 10 | 9C4 | EWGhA34C3 | KD | | 1 |
| Parbon qisdlfiqe | KD | dg/L | 1CC | 0CC, | EWGhA34C3 | KD | | 1 |
| transh1j4hDic6lorohlhbdtene | KD | dg/L | ACC | 1C4 | EWGhA34C3 | KD | | 1 |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

**BCL Sample ID:** 141, - 99h11 | **Client Sample Qame:** K30h1j , /1C/3014 3:1- :00W#

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Et6yl met6acrylate | KD | dg/L | 4C | 0C9- | EWGhA34C3 | KD | | 1 |
| Et6yl trbdtyl et6er | KD | dg/L | 0CA0 | 0C1, | EWGhA34C3 | KD | | 1 |
| 3hHexanone | KD | dg/L | 10 | C4 | EWGhA34C3 | KD | | 1 |
| # et6acrylonitrile | KD | dg/L | 10 | 1C | EWGhA34C3 | KD | | 1 |
| # et6yl et6yl . etone | KD | dg/L | 10 | 3CA | EWGhA34C3 | KD | | 1 |
| # et6yl ioqiqe | KD | dg/L | 3C | 0C4- | EWGhA34C3 | KD | | 1 |
| # et6yl isobdtyl . etone | KD | dg/L | 10 | 3C1 | EWGhA34C3 | KD | | 1 |
| # et6yl met6acrylate | KD | dg/L | AC | 1CA | EWGhA34C3 | KD | | 1 |
| KitrobenMene | KD | dg/L | C0 | 1O | EWGhA34C3 | KD | U11 | 1 |
| Wentac6loroet6ane | KD | dg/L | 3C | 0C4O | EWGhA34C3 | KD | U01jU11 | 1 |
| Wropionitrile | KD | dg/L | 30 | 4C3 | EWGhA34C3 | KD | | 1 |
| Tetra6yqrofdran | KD | dg/L | 30 | AC3 | EWGhA34C3 | KD | | 1 |
| ph& mhXylenes | KD | dg/L | 0CA0 | 0C3, | EWGhA34C3 | KD | | 1 |
| ohXylene | KD | dg/L | 0CA0 | 0C, 3 | EWGhA34C3 | KD | | 1 |
| 1j3hDic6loroet6anehq4 7Sdrrogate F | 130 | % | - A h13A 7LPL h) PLF | | EWGhA34C3 | | | 1 |
| Toldenehq, 7Sdrrogate F | 99C | % | , 0 h130 7LPL h) PLF | | EWGhA34C3 | | | 1 |
| 4hu romofldorobenMene 7Sdrrogate F | , 1CN | % | , 0 h130 7LPL h) PLF | | EWGhA34C3 | | | 1 |

| Run # | 3 etdo. | hrep Date | Run Date/Time | ( nalVst | Instrument | Dilution | v C BatAd ID |
|---|---|---|---|---|---|---|---|
| 1 | EWGhA34C3 | 0, /19/14 | 0, /31/14 3C | 2PP | # SHU14 | 1 | uXH13, N |

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# G ater ( nalVsis ENeneral CdemistrVW

| **BCL Sample ID:** | 141, - 99h11 | **Client Sample Qame:** | K30h1j , /1C/3014 3:1- :00W# |
|---|---|---|---|

| Constituent | Result | Units | hy L | 3 DL | 3 etdo. | 3 B Bias | Lab y uals | Run # |
|---|---|---|---|---|---|---|---|---|
| Werc6lorate | KD | dg/L | 4C | 0C4A | EWGhC14C | KD | | 1 |

| Run # | 3 etdo. | hrep Date | Run Date/Time | ( nalVst | Instrument | Dilution | y C BatAd ID |
|---|---|---|---|---|---|---|---|
| 1 | EWGhC14C | 09/0A/14 | 09/0N/14 04:3, | LD1 | 5PN | 1 | uX5DNA9 |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis EPh( 3 etdo. 724)2W

## y ualitV Control Report 03 etdo. Blank ( nalVsis

| Constituent | y C Sample ID | 3 B Result | Units | hy L | 3 DL | Lab y uals |
|---|---|---|---|---|---|---|
| **y C BatAd ID: BXH1148** | | | | | | |
| uenMene | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C, O | |
| uromobenMene | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C O | |
| uromoc6loromet6ane | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C34 | |
| uromoqic6loromet6ane | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C4 | |
| uromoform | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C3- | |
| uromomet6ane | uXH114, huL( 1 | KD | dg/L | 1C | 0C3A | |
| nhudtylbenMene | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C1 | |
| sechudtylbenMene | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C A | |
| terthudtylbenMene | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C O | |
| Parbon tetrac6loriqe | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C, | |
| P6lorobenMene | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C9O | |
| P6loroet6ane | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C4 | |
| P6loroform | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C3 | |
| P6loromet6ane | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C4 | |
| 3hP6lorotoldene | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C30 | |
| 4hP6lorotoldene | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C A | |
| Dibromoc6loromet6ane | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C O | |
| 1j3hDibromohOhc6loropropane | uXH114, huL( 1 | KD | dg/L | 1C | 0C4 | |
| 1j3hDibromoet6ane | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C N | |
| Dibromomet6ane | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C34 | |
| 1j3hDic6lorobenMene | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C- 3 | |
| 1jOhDic6lorobenMene | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C A | |
| 1j4hDic6lorobenMene | uXH114, huL( 1 | KD | dg/L | 0C0 | 0CN3 | |
| Dic6loroqifldoromet6ane | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C99 | |
| 1j1hDic6loroet6ane | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C1 | |
| 1j3hDic6loroet6ane | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C- | |
| 1j1hDic6loroet6ene | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C, | |
| cishl1j3hDic6loroet6ene | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C, A | |
| transhl1j3hDic6loroet6ene | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C A | |
| 1j3hDic6loropropane | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C O | |
| 1jOhDic6loropropane | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C, N | |
| 3j3hDic6loropropane | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C O | |
| 1j1hDic6loropropene | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C, A | |
| cishl1jOhDic6loropropene | uXH114, huL( 1 | KD | dg/L | 0C0 | 0C4 | |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

## y ualitV Control Report 03 etdo. Blank ( nalVsis

| Constituent | y C Sample ID | 3 B Result | Units | hy L | 3 DL | Lab y uals |
|---|---|---|---|---|---|---|
| **y C BatAd ID: BXH1148** | | | | | | |
| transh1jCHDic6loropropene | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C- 9 | |
| Et6ylbenMene | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C9, | |
| Hexac6lorobdtaqiene | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C- | |
| 5sopropylbenMene | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C4 | |
| ph5sopropyltoldene | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C3 | |
| # et6ylene c6loriqe | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C, | |
| # et6yl trbdtyl et6er | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C1 | |
| Kap6t6alene | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0CCN | |
| nhWopylbenMene | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C1 | |
| Styrene | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0CCN, | |
| 1j1j1j3hTetrac6loroet6ane | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C, | |
| 1j1j3j3hTetrac6loroet6ane | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C- | |
| Tetrac6loroet6ene | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C O | |
| Toldene | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C9O | |
| 1j3jCHTric6lorobenMene | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C N | |
| 1j3j4hTric6lorobenMene | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C9 | |
| 1j1j1hTric6loroet6ane | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C1 | |
| 1j1j3hTric6loroet6ane | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C N | |
| Tric6loroet6ene | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C, A | |
| Tric6lorofldoromet6ane | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C O | |
| 1j3jCHTric6loropropane | uXH114, huL( 1 | KD | dg/L | 1C | 0C34 | |
| 1j1j3hTric6lorohl j3j3htrifldoroet6ane | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C A | |
| 1j3j4hTrimet6ylbenMene | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C3 | |
| 1jCJAhTrimet6ylbenMene | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C3 | |
| Uinyl c6loriqe | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C3 | |
| Gcetone | uXH114, huL( 1 | KD | dg/L | 10 | 4C N | |
| Gcrylonitrile | uXH114, huL( 1 | KD | dg/L | AC | 1C3 | |
| Gllyl c6loriqe | uXH114, huL( 1 | KD | dg/L | AC | 0C,0 | |
| thGmyl # et6yl et6er | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C3A | |
| thu dtyl alco6ol | uXH114, huL( 1 | KD | dg/L | 10 | 9C4 | |
| Parbon qisdlfiqe | uXH114, huL( 1 | KD | dg/L | 1C | 0C, | |
| transh1j4HDic6lorohl3hbdtene | uXH114, huL( 1 | KD | dg/L | AC | 1C4 | |
| Et6yl met6acrylate | uXH114, huL( 1 | KD | dg/L | 4C | 0C9- | |
| Et6yl trbdtyl et6er | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C, | |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis EPh( 3 etdo. 724)2W

## y ualitV Control Report 03 etdo. Blank ( nalVsis

| Constituent | y C Sample ID | 3 B Result | Units | hy L | 3 DL | Lab y uals |
|---|---|---|---|---|---|---|
| **y C BatAd ID: BXH1148** | | | | | | |
| 3HHexanone | uXH114, huL( 1 | KD | dg/L | 10 | OC4 | |
| # et6acrylonitrile | uXH114, huL( 1 | KD | dg/L | 10 | 1C | |
| # et6yl et6yl . etone | uXH114, huL( 1 | KD | dg/L | 10 | 3CA | |
| # et6yl ioqiqe | uXH114, huL( 1 | KD | dg/L | 3C0 | 0C4- | |
| # et6yl isobdtyl . etone | uXH114, huL( 1 | KD | dg/L | 10 | 3C1 | |
| # et6yl met6acrylate | uXH114, huL( 1 | KD | dg/L | AC0 | 1CA | |
| KitrobenMene | uXH114, huL( 1 | KD | dg/L | C0 | 1O | |
| Wentac6loroet6ane | uXH114, huL( 1 | KD | dg/L | 3C0 | 0C4O | |
| Wropionitrile | uXH114, huL( 1 | KD | dg/L | 30 | 4C3 | |
| Tetra6yqrofdran | uXH114, huL( 1 | KD | dg/L | 30 | AC3 | |
| ph& mhXylenes | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C3, | |
| ohXylene | uXH114, huL( 1 | KD | dg/L | 0CA0 | 0C0, 3 | |
| **1,20DiAdloroetdane0 4 ESurrocateW** | **BXH11480BLK1** | **1M4** | % | **97 0127 ELCL 0UCLW** | | |
| **Toluene0 8 ESurrocateW** | **BXH11480BLK1** | **- 9)6** | % | **8M012M ELCL 0UCLW** | | |
| **40Bromofluorobenzene ESurrocateW** | **BXH11480BLK1** | **89)1** | % | **8M012M ELCL 0UCLW** | | |
| **y C BatAd ID: BXH1285** | | | | | | |
| uenMene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C0, O | |
| uromobenMene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C1O | |
| uromoc6loromet6ane | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C34 | |
| uromoqic6loromet6ane | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C14 | |
| uromoform | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C3- | |
| uromomet6ane | uXH13, NhuL( 1 | KD | dg/L | 1C0 | 0C3A | |
| nhudtylbenMene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C11 | |
| sechudtylbenMene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C1A | |
| terthudtylbenMene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C1O | |
| Parbon tetrac6loriqe | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C1, | |
| P6lorobenMene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C09O | |
| P6loroet6ane | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C14 | |
| P6loroform | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C13 | |
| P6loromet6ane | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C14 | |
| 3HP6lorotoldene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C30 | |
| 4HP6lorotoldene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C1A | |
| Dibromoc6loromet6ane | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C1O | |

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# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

## y ualitV Control Report 03 etdo. Blank ( nalVsis

| Constituent | y C Sample ID | 3 B Result | Units | hy L | 3 DL | Lab y uals |
|---|---|---|---|---|---|---|
| **y C BatAd ID: BXH1285** | | | | | | |
| 1j3hDibromohCrc6loropropane | uXH13, NhuL( 1 | KD | dg/L | 1C0 | 0C44 | |
| 1j3hDibromoet6ane | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C1N | |
| Dibromomet6ane | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C34 | |
| 1j3hDic6lorobenMene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C0- 3 | |
| 1jChDic6lorobenMene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C1A | |
| 1j4hDic6lorobenMene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C0N3 | |
| Dic6loroqifldoromet6ane | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C099 | |
| 1j1hDic6loroet6ane | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C11 | |
| 1j3hDic6loroet6ane | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C1- | |
| 1j1hDic6loroet6ene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C1, | |
| cish1j3hDic6loroet6ene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C0, A | |
| transh1j3hDic6loroet6ene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C1A | |
| 1j3hDic6loropropane | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C1O | |
| 1jChDic6loropropane | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C0, N | |
| 3j3hDic6loropropane | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C1O | |
| 1j1hDic6loropropene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C0, A | |
| cish1jChDic6loropropene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C14 | |
| transh1jChDic6loropropene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C0- 9 | |
| Et6ylbenMene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C09, | |
| Hexac6lorobdtaqiene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C1- | |
| 5sopropylbenMene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C14 | |
| ph5sopropyltoldene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C13 | |
| # et6ylene c6loriqe | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C4, | |
| # et6yl trbdtyl et6er | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C11 | |
| Kap6t6alene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C0N | |
| nhWopylbenMene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C11 | |
| Styrene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C0N, | |
| 1j1j1j3hTetrac6loroet6ane | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C1, | |
| 1j1j3j3hTetrac6loroet6ane | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C1- | |
| Tetrac6loroet6ene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C1O | |
| Toldene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C09O | |
| 1j3jChTric6lorobenMene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C1N | |
| 1j3j4hTric6lorobenMene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C19 | |
| 1j1j1hTric6loroet6ane | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C11 | |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis EPh( 3 etdo. 724)2W

## y ualitV Control Report 03 etdo. Blank ( nalVsis

| Constituent | y C Sample ID | 3 B Result | Units | hy L | 3 DL | Lab y uals |
|---|---|---|---|---|---|---|
| **y C BatAd ID: BXH1285** | | | | | | |
| 1j1j3hTric6loroet6ane | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C1N | |
| Tric6loroet6ene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C0, A | |
| Tric6lorofldoromet6ane | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C1O | |
| 1j3jChTric6loropropane | uXH13, NhuL( 1 | KD | dg/L | 1C0 | 0C34 | |
| 1j1j3hTric6lorohl j3j3htrifldoroet6ane | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C1A | |
| 1j3j4hTrimet6ylbenMene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C13 | |
| 1jCJAhTrimet6ylbenMene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C13 | |
| Uinyl c6loriqe | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C13 | |
| Gcetone | uXH13, NhuL( 1 | KD | dg/L | 10 | 4C1N | |
| Gcrylonitrile | uXH13, NhuL( 1 | KD | dg/L | AC0 | 1C3 | |
| Gllyl c6loriqe | uXH13, NhuL( 1 | KD | dg/L | AC0 | 0C,0 | |
| thGmyl # et6yl et6er | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C3A | |
| thudtyl alco6ol | uXH13, NhuL( 1 | KD | dg/L | 10 | 9C4 | |
| Parbon qisdlfiqe | uXH13, NhuL( 1 | KD | dg/L | 1C0 | 0CC, | |
| transh1j4hDic6lorohBhbdtene | uXH13, NhuL( 1 | KD | dg/L | AC0 | 1C4 | |
| Et6yl met6acrylate | uXH13, NhuL( 1 | KD | dg/L | 4C0 | 0C9- | |
| Et6yl thbdtyl et6er | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C1, | |
| 3hHexanone | uXH13, NhuL( 1 | KD | dg/L | 10 | OC4 | |
| # et6acrylonitrile | uXH13, NhuL( 1 | KD | dg/L | 10 | 1C | |
| # et6yl et6yl . etone | uXH13, NhuL( 1 | KD | dg/L | 10 | 3CA | |
| # et6yl ioqiqe | uXH13, NhuL( 1 | KD | dg/L | 3C0 | 0C4- | |
| # et6yl isobdtyl . etone | uXH13, NhuL( 1 | KD | dg/L | 10 | 3C1 | |
| # et6yl met6acrylate | uXH13, NhuL( 1 | KD | dg/L | AC0 | 1CA | |
| KitrobenMene | uXH13, NhuL( 1 | KD | dg/L | OC0 | 1O | |
| Wentac6loroet6ane | uXH13, NhuL( 1 | KD | dg/L | 3C0 | 0C4O | |
| Wropionitrile | uXH13, NhuL( 1 | KD | dg/L | 30 | 4C3 | |
| Tetra6yqrofdran | uXH13, NhuL( 1 | KD | dg/L | 30 | AC3 | |
| ph& mhXylenes | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C3, | |
| ohXylene | uXH13, NhuL( 1 | KD | dg/L | 0CA0 | 0C0, 3 | |
| **1,2CDiAdloroetdaneC 4 ESurrocateW** | **BXH1285CBLK1** | **1M-** | % | | **97 0127 ELCL 0UCLW** | |
| **TolueneC 8 ESurrocateW** | **BXH1285CBLK1** | **- - )4** | % | | **8M012M ELCL 0UCLW** | |
| **4CBromofluorobenzene ESurrocateW** | **BXH1285CBLK1** | **87)7** | % | | **8M012M ELCL 0UCLW** | |

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**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis EPh( 3 etdo. 724)2W

## y ualitV Control Report 0LaboratorV Control Sample

| Constituent | y C Sample ID | TVpe | Result | Spike Level | Units | herAent ReAoverV | RhD | Control Limits herAent ReAoverV | RhD | Lab y uals |
|---|---|---|---|---|---|---|---|---|---|---|
| **y C BatAd ID: BXH1148** | | | | | | | | | | |
| uenMene | uXH114, huS1 | LPS | 34CA4, | 3AC000 | dg/L | 9, C3 | | - 0 h1C0 | | |
| uromoqic6loromet6ane | uXH114, huS1 | LPS | 3CC1CA | 3AC000 | dg/L | 93CA | | - 0 h1C0 | | |
| P6lorobenMene | uXH114, huS1 | LPS | 31C93- | 3AC000 | dg/L | , - G | | - 0 h1C0 | | |
| P6loroet6ane | uXH114, huS1 | LPS | 34C, 4 | 3AC000 | dg/L | 99CA | | - 0 h1C0 | | |
| 1j4hDic6lorobenMene | uXH114, huS1 | LPS | 3CC0- - | 3AC000 | dg/L | 93CC | | - 0 h1C0 | | |
| 1j1hDic6loroet6ane | uXH114, huS1 | LPS | 3CC393 | 3AC000 | dg/L | 9CC3 | | - 0 h1C0 | | |
| 1j1hDic6loroet6ene | uXH114, huS1 | LPS | 34C134 | 3AC000 | dg/L | 9NCA | | - 0 h1C0 | | |
| Toldene | uXH114, huS1 | LPS | 3CC0, - | 3AC000 | dg/L | 93CC | | - 0 h1C0 | | |
| Tric6loroet6ene | uXH114, huS1 | LPS | C0GCC | 3AC000 | dg/L | 13C | | - 0 h1C0 | | |
| 1j3hDic6loroet6anehq4 7SdrrogateF | uXH114, huS1 | LPS | 10C040 | 10C000 | dg/L | 100 | | - Ah13A | | |
| Toldenehq, 7SdrrogateF | uXH114, huS1 | LPS | 10C130 | 10C000 | dg/L | 101 | | , 0 h130 | | |
| 4huromofldorobenMene 7SdrrogateF | uXH114, huS1 | LPS | 9G100 | 10C000 | dg/L | 9- C1 | | , 0 h130 | | |
| **y C BatAd ID: BXH1285** | | | | | | | | | | |
| uenMene | uXH13, NhuS1 | LPS | 34G01 | 3AC000 | dg/L | 9, C | | - 0 h1C0 | | |
| uromoqic6loromet6ane | uXH13, NhuS1 | LPS | 3AC0NA | 3AC000 | dg/L | 100 | | - 0 h1C0 | | |
| P6lorobenMene | uXH13, NhuS1 | LPS | 33GA0 | 3AC000 | dg/L | 91C0 | | - 0 h1C0 | | |
| P6loroet6ane | uXH13, NhuS1 | LPS | 3AC3- - | 3AC000 | dg/L | 101 | | - 0 h1C0 | | |
| 1j4hDic6lorobenMene | uXH13, NhuS1 | LPS | 3AC00A | 3AC000 | dg/L | 100 | | - 0 h1C0 | | |
| 1j1hDic6loroet6ane | uXH13, NhuS1 | LPS | 34C1- | 3AC000 | dg/L | 99CC | | - 0 h1C0 | | |
| 1j1hDic6loroet6ene | uXH13, NhuS1 | LPS | 3, C1A, | 3AC000 | dg/L | 11C | | - 0 h1C0 | | |
| Toldene | uXH13, NhuS1 | LPS | 3CC9A0 | 3AC000 | dg/L | 9AC | | - 0 h1C0 | | |
| Tric6loroet6ene | uXH13, NhuS1 | LPS | 3- G34 | 3AC000 | dg/L | 111 | | - 0 h1C0 | | |
| 1j3hDic6loroet6anehq4 7SdrrogateF | uXH13, NhuS1 | LPS | 10C930 | 10C000 | dg/L | 109 | | - Ah13A | | |
| Toldenehq, 7SdrrogateF | uXH13, NhuS1 | LPS | 10C3, 0 | 10C000 | dg/L | 10C | | , 0 h130 | | |
| 4huromofldorobenMene 7SdrrogateF | uXH13, NhuS1 | LPS | 10C140 | 10C000 | dg/L | 10N | | , 0 h130 | | |

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**BC Laboratories, Inc.**
Environmental Testing Laboratory Since 1949

J eologic Gssociates
3A0 8 CBirst StCSdite 33,
Plaremontj PG 91- 11

**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

## y ualitV Control Report 0hreAision & ( AAuraAV

| Constituent | TVpe | SourAe Sample ID | SourAe Result | Result | Spike ( . . e. | Units | RhD | herAent ReAoverV | Control Limits RhD | herAent ReAoverV | Lab y uals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **y C BatAd ID: BXH1148** | ) seq client sample: K | | | | | | | | | | |
| uenMene | # S | 141N1C8h-9 | KD | 3-C4N- | 3AC000 | dg/L | | 110 | | -0 h1C0 | |
| | # SD | 141N1C8h-9 | KD | 3AC,1- | 3AC000 | dg/L | NC3 | 10O | 30 | -0 h1C0 | |
| uromoqic6loromet6ane | # S | 141N1C8h-9 | KD | 3OC901 | 3AC000 | dg/L | | 9AC0N | | -0 h1C0 | |
| | # SD | 141N1C8h-9 | KD | 33C0N, 3 | 3AC000 | dg/L | AC3 | 90G | 30 | -0 h1C0 | |
| P6lorobenMene | # S | 141N1C8h-9 | KD | 3AC1A0 | 3AC000 | dg/L | | 101 | | -0 h1C0 | |
| | # SD | 141N1C8h-9 | KD | 33C4-A | 3AC000 | dg/L | 11C3 | ,9C9 | 30 | -0 h1C0 | |
| P6loroet6ane | # S | 141N1C8h-9 | KD | 3-C0N1 | 3AC000 | dg/L | | 10, | | -0 h1C0 | |
| | # SD | 141N1C8h-9 | KD | 34C90N | 3AC000 | dg/L | ,CC | 99C0N | 30 | -0 h1C0 | |
| 1j4hDic6lorobenMene | # S | 141N1C8h-9 | KD | 3AC,04 | 3AC000 | dg/L | | 10O | | -0 h1C0 | |
| | # SD | 141N1C8h-9 | KD | 3OC0A3 | 3AC000 | dg/L | 11CC | 93C3 | 30 | -0 h1C0 | |
| 1j1hDic6loroet6ane | # S | 141N1C8h-9 | KD | 3AC,C8 | 3AC000 | dg/L | | 10O | | -0 h1C0 | |
| | # SD | 141N1C8h-9 | KD | 34C014 | 3AC000 | dg/L | -CC | 9NC1 | 30 | -0 h1C0 | |
| 1j1hDic6loroet6ene | # S | 141N1C8h-9 | KD | 3NC0-N | 3AC000 | dg/L | | 104 | | -0 h1C0 | |
| | # SD | 141N1C8h-9 | KD | 3OC0N90 | 3AC000 | dg/L | 9C0N | 94C, | 30 | -0 h1C0 | |
| Toldene | # S | 141N1C8h-9 | KD | 34CC1N | 3AC000 | dg/L | | 9-CC | | -0 h1C0 | |
| | # SD | 141N1C8h-9 | KD | 3OC410 | 3AC000 | dg/L | OC, | 9OC0N | 30 | -0 h1C0 | |
| Tric6loroet6ene | # S | 141N1C8h-9 | KD | O1C3, 1 | 3AC000 | dg/L | | 13A | | -0 h1C0 | |
| | # SD | 141N1C8h-9 | KD | OOCC4- | 3AC000 | dg/L | OCC | 131 | 30 | -0 h1C0 | |
| 1j3hDic6loroet6anehq4 7SdrrogateF | # S | 141N1C8h-9 | KD | 10CA-0 | 10CC000 | dg/L | | 10N | | -A h13A | |
| | # SD | 141N1C8h-9 | KD | 9C9N00 | 10CC000 | dg/L | AC9 | 99C0N | | -A h13A | |
| Toldenehq, 7SdrrogateF | # S | 141N1C8h-9 | KD | 9C,900 | 10CC000 | dg/L | | 9, C9 | | ,0 h130 | |
| | # SD | 141N1C8h-9 | KD | 10C0N0 | 10CC000 | dg/L | 1G | 101 | | ,0 h130 | |
| 4huromofldorobenMene 7SdrrogateF | # S | 141N1C8h-9 | KD | 10C1C0 | 10CC000 | dg/L | | 101 | | ,0 h130 | |
| | # SD | 141N1C8h-9 | KD | 9C,000 | 10CC000 | dg/L | OCC | 9, C0 | | ,0 h130 | |
| **y C BatAd ID: BXH1285** | ) seq client sample: Y hDescription: # 3hCJ 0, /1O/3014 10:3O | | | | | | | | | | |
| uenMene | # S | 141, -99h0A | KD | 3OC9A- | 3AC000 | dg/L | | 9AC, | | -0 h1C0 | |
| | # SD | 141, -99h0A | KD | 3OC,CO | 3AC000 | dg/L | 0CA | 9ACC | 30 | -0 h1C0 | |
| uromoqic6loromet6ane | # S | 141, -99h0A | KD | 34C4NN | 3AC000 | dg/L | | 9-C9 | | -0 h1C0 | |
| | # SD | 141, -99h0A | KD | 3AC03, | 3AC000 | dg/L | 3CC | 100 | 30 | -0 h1C0 | |
| P6lorobenMene | # S | 141, -99h0A | KD | 31G03 | 3AC000 | dg/L | | ,NC, | | -0 h1C0 | |
| | # SD | 141, -99h0A | KD | 31C0A- | 3AC000 | dg/L | 0C3 | ,NC0N | 30 | -0 h1C0 | |
| P6loroet6ane | # S | 141, -99h0A | KD | 3OC0N0 | 3AC000 | dg/L | | 94C0N | | -0 h1C0 | |
| | # SD | 141, -99h0A | KD | 34C13A | 3AC000 | dg/L | 1C9 | 9NCA | 30 | -0 h1C0 | |
| 1j4hDic6lorobenMene | # S | 141, -99h0A | KD | 34C101 | 3AC000 | dg/L | | 9NC4 | | -0 h1C0 | |
| | # SD | 141, -99h0A | KD | 34C114 | 3AC000 | dg/L | 0C1 | 9NCA | 30 | -0 h1C0 | |
| 1j1hDic6loroet6ane | # S | 141, -99h0A | KD | 34C1, , | 3AC000 | dg/L | | 9NC, | | -0 h1C0 | |
| | # SD | 141, -99h0A | KD | 34CC4O | 3AC000 | dg/L | 0C0N | 9-C4 | 30 | -0 h1C0 | |

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Plaremontj PG 91- 11

**Reporte. :** 09/09/3014 1C:3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Ch0100
Wrolect # anager: 2ason Sapp

# Oolatile g rcaniA( nalVsis BPh( 3 etdo. 724)2W

## y ualitV Control Report 0hreAision & ( AAuraAV

| Constituent | TVpe | SourAe Sample ID | SourAe Result | Result | Spike ( . . e. | Units | RhD | herAent ReAoverV | Control Limits RhD | herAent ReAoverV | Lab y uals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **y C BatAd ID: BXH1285** | ) seq client sample: Y hDescription: # 3hCj 0, /1C/3014 10:3O | | | | | | | | | | |
| 1j1hDic6loroet6ene | # S | 141, - 99h0A | KD | 3- CA, , | 3ACD00 | dg/L | | 110 | | - 0 h1C0 | |
| | # SD | 141, - 99h0A | KD | 3- CC9A | 3ACD00 | dg/L | 0G | 110 | 30 | - 0 h1C0 | |
| Toldene | # S | 141, - 99h0A | KD | 3CC4NO | 3ACD00 | dg/L | | 9CC9 | | - 0 h1C0 | |
| | # SD | 141, - 99h0A | KD | 33C,A0 | 3ACD00 | dg/L | 3CN | 91C4 | 30 | - 0 h1C0 | |
| Tric6loroet6ene | # S | 141, - 99h0A | KD | 3ACCA3 | 3ACD00 | dg/L | | 101 | | - 0 h1C0 | |
| | # SD | 141, - 99h0A | KD | 3ACC1- 0 | 3ACD00 | dg/L | 0G | 101 | 30 | - 0 h1C0 | |
| 1j3hDic6loroet6anehq4 7SdrrogateF | # S | 141, - 99h0A | KD | 11CC10 | 10CC00 | dg/L | | 110 | | - A h13A | |
| | # SD | 141, - 99h0A | KD | 11C1, 0 | 10CC00 | dg/L | 1CA | 113 | | - A h13A | |
| Toldenehq, 7SdrrogateF | # S | 141, - 99h0A | KD | 9C9300 | 10CC00 | dg/L | | 99C3 | | , 0 h130 | |
| | # SD | 141, - 99h0A | KD | 9C9300 | 10CC00 | dg/L | 0 | 99C3 | | , 0 h130 | |
| 4hu romofldorobenMene 7SdrrogateF | # S | 141, - 99h0A | KD | 10C340 | 10CC00 | dg/L | | 103 | | , 0 h130 | |
| | # SD | 141, - 99h0A | KD | 10C3, 0 | 10CC00 | dg/L | 0C4 | 10O | | , 0 h130 | |

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Plaremontj PG 91- 11

**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# G ater ( nalVsis ENeneral CdemistrVW

## y ualitV Control Report 03 etdo. Blank ( nalVsis

| Constituent | y C Sample ID | 3 B Result | Units | hy L | 3 DL | Lab y uals |
|---|---|---|---|---|---|---|
| **y C BatAd ID: BXIM578** | | | | | | |
| Werc6lorate | uX5DNA, huL( 1 | KD | dg/L | 4C0 | 0C4A | |
| **y C BatAd ID: BXIM57-** | | | | | | |
| Werc6lorate | uX5DNA9huL( 1 | KD | dg/L | 4C0 | 0C4A | |

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Plaremontj PG 91- 11

**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# G ater ( nalVsis ENeneral CdemistrVW

## y ualitV Control Report 0LaboratorV Control Sample

| Constituent | y C Sample ID | TVpe | Result | Spike Level | Units | herAent ReAoverV | RhD | Control Limits herAent ReAoverV | RhD | Lab y uals |
|---|---|---|---|---|---|---|---|---|---|---|
| **y C BatAd ID: BXIM578** | | | | | | | | | | |
| Werc6lorate | uX5DNA, hu S1 | LPS | 10C43 | 10C00 | dg/L | 101 | | , Ah11A | | |
| **y C BatAd ID: BXIM57-** | | | | | | | | | | |
| Werc6lorate | uX5DNA9hu S1 | LPS | 11C43A | 10C00 | dg/L | 114 | | , Ah11A | | |

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J eologic Gssociates
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Plaremontj PG 91- 11

**Reporte. :** 09/09/3014 1C3-
Wrolect: Rialto Werc6lorate 5nvestigaton
Wrolect Kdmber: 301Cr0100
Wrolect # anager: 2ason Sapp

# G ater ( nalVsis ENeneral CdemistrVW

## y ualitV Control Report 0hreAision & ( AAuraAV

| Constituent | TVpe | SourAe Sample ID | SourAe Result | Result | Spike ( . . e. | Units | RhD | herAent ReAoverV | Control Limits RhD | Control Limits herAent ReAoverV | Lab y uals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **y C BatAd ID: BXIM578** | ) seq client sample: Y hDescription: K30hAj 0, /1O'3014 13:C3 | | | | | | | | | | |
| Werc6lorate | D) W | 141, - 99r0, | KD | KD | | dg/L | | | 1A | | |
| | # S | 141, - 99r0, | KD | 10C, 9N | 10C101 | dg/L | | 10, | | , 0 h130 | |
| | # SD | 141, - 99r0, | KD | 10C40N | 10C101 | dg/L | 4CN | 10O | 1A | , 0 h130 | |
| **y C BatAd ID: BXIM57-** | ) seq client sample: K | | | | | | | | | | |
| Werc6lorate | D) W | 41, 931r01RE´ | 4CCC0 | CC9A, - | | dg/L | 1C9 | | 1A | | 2 |
| | # S | 41, 931r01RE´ | 4CCC0 | 14G49 | 10C101 | dg/L | | 10N | | , 0 h130 | |
| | # SD | 41, 931r01RE´ | 4CCC0 | 14G- 0 | 10C101 | dg/L | 0C1 | 10N | 1A | , 0 h130 | |

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| | |
|---|---|
| J eologic Gssociates<br>3A0 8 CBirst StCSdite 33,<br>Plaremontj PG 91- 11 | **Reporte. :** 09/09/3014 1C3-<br>Wrolect: Rialto Werc6lorate 5nvestigaton<br>Wrolect Kdmber: 301Ch0100<br>Wrolect # anager: 2ason Sapp |

## Qotes ( n. Definitions

| | |
|---|---|
| 2 | Estimateq Ualde 7PLWBlagF |
| # DL | # et6oq Detection Limit |
| KD | Gnalyte Kot Detecteq at or above t6e reporting limit |
| WQL | Wractical Qdantitation Limit |
| RWD | Relative Wercent Difference |
| S09 | T6e sdrrogate recovery on t6e sample for t6is compodnq was not wit6in t6e control limitsC |
| U01 | T6e 5nitial Palibration Uerification 7PUFrecovery is not wit6in establis6eq control limitsC |
| U11 | T6e Pontinding Palibration Uerification 7PPUFrecovery is not wit6in establis6eq control limitsC |

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| | | | |
|---|---|---|---|
| Client Name: | GeoLogic Associates-SB | Analytical Report: | Page 1 of 5 |
| Contact: | Jason Sapp | Project Name: | GLA-Rialto Perchlorate |
| Address: | 250 West First Street Suite 228<br>Claremont, CA 91711 | Project Number: | [none] |
| | | **Work Order Number:** | **B4H1588** |
| Report Date: | 27-Aug-2014 | Received on Ice (Y/N): | Yes Temp: 1 °C |

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

## Sample Identification

| Lab Sample # | Client Sample ID | Matrix | Date Sampled | By | Date Submitted | By |
|---|---|---|---|---|---|---|
| B4H1588-01 | N17-C1 | Water | 08/14/14 09:15 | Mike Campbell | 08/14/14 15:40 | B. Salinas |
| B4H1588-02 | N17-C2 | Water | 08/14/14 10:10 | Mike Campbell | 08/14/14 15:40 | B. Salinas |

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| | | | |
|---|---|---|---|
| Client Name: | GeoLogic Associates-SB | Analytical Report: | Page 2 of 5 |
| Contact: | Jason Sapp | Project Name: | GLA-Rialto Perchlorate |
| Address: | 250 West First Street Suite 228<br>Claremont, CA 91711 | Project Number: | [none] |
| | | **Work Order Number:** | **B4H1588** |
| Report Date: | 27-Aug-2014 | Received on Ice (Y/N): | Yes Temp: 1 °C |

Laboratory Reference Number

**B4H1588-01**

| Sample Description | Matrix | Sampled Date/Time | Received Date/Time |
|---|---|---|---|
| N17-C1 | Water | 08/14/14 09:15 | 08/14/14 15:40 |

| Analyte(s) | Result | RDL | MDL | Units | Method | Analysis Date | Analyst | Flag |
|---|---|---|---|---|---|---|---|---|
| General Inorganics | | | | | | | | |
| Perchlorate | 0.22 | 0.10 | 0.035 | ug/L | EPA 332.0 | 08/19/14 06:29 | ss | |

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| | | | |
|---|---|---|---|
| Client Name: | GeoLogic Associates-SB | Analytical Report: | Page 3 of 5 |
| Contact: | Jason Sapp | Project Name: | GLA-Rialto Perchlorate |
| Address: | 250 West First Street Suite 228<br>Claremont, CA 91711 | Project Number: | [none] |
| | | **Work Order Number:** | **B4H1588** |
| Report Date: | 27-Aug-2014 | Received on Ice (Y/N): | Yes Temp: 1 °C |

Laboratory Reference Number

**B4H1588-02**

| Sample Description | Matrix | Sampled Date/Time | Received Date/Time |
|---|---|---|---|
| N17-C2 | Water | 08/14/14 10:10 | 08/14/14 15:40 |

| Analyte(s) | Result | RDL | MDL | Units | Method | Analysis Date | Analyst | Flag |
|---|---|---|---|---|---|---|---|---|
| General Inorganics | | | | | | | | |
| Perchlorate | 0.31 | 0.10 | 0.035 | ug/L | EPA 332.0 | 08/19/14 06:29 | ss | |

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| | | | |
|---|---|---|---|
| Client Name: | GeoLogic Associates-SB | Analytical Report: | Page 4 of 5 |
| Contact: | Jason Sapp | Project Name: | GLA-Rialto Perchlorate |
| Address: | 250 West First Street Suite 228<br>Claremont, CA 91711 | Project Number: | [none] |
| | | **Work Order Number:** | **B4H1588** |
| Report Date: | 27-Aug-2014 | Received on Ice (Y/N): | Yes Temp: 1 °C |

## General Inorganics - Batch Quality Control

| Analyte(s) | Result | RDL | | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 14H1803 - Analyzed as Received IC** | | | | | | | | | | | |
| **Blank (14H1803-BLK1)** | | | | | Prepared: 08/18/14 | | Analyzed: 08/19/14 | | | | |
| Perchlorate | ND | 0.10 | 0.035 | ug/L | | | | | | | |
| **LCS (14H1803-BS1)** | | | | | Prepared: 08/18/14 | | Analyzed: 08/19/14 | | | | |
| Perchlorate | 5.44 | 0.10 | 0.035 | ug/L | 5.00 | | 109 | 80-120 | | | |
| **Duplicate (14H1803-DUP1)** | | **Source: B4H1479-05** | | | Prepared: 08/18/14 | | Analyzed: 08/19/14 | | | | |
| Perchlorate | 0.938 | 0.10 | 0.035 | ug/L | | 0.873 | | | 7.16 | 20 | |
| **Matrix Spike (14H1803-MS1)** | | **Source: B4H1479-05** | | | Prepared: 08/18/14 | | Analyzed: 08/19/14 | | | | |
| Perchlorate | 6.75 | 0.10 | 0.035 | ug/L | 5.00 | 0.873 | 117 | 80-120 | | | |
| **Matrix Spike Dup (14H1803-MSD1)** | | **Source: B4H1479-05** | | | Prepared: 08/18/14 | | Analyzed: 08/19/14 | | | | |
| Perchlorate | 6.38 | 0.10 | 0.035 | ug/L | 5.00 | 0.873 | 110 | 80-120 | 5.52 | 20 | |

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| | | | |
|---|---|---|---|
| Client Name: | GeoLogic Associates-SB | Analytical Report: | Page 5 of 5 |
| Contact: | Jason Sapp | Project Name: | GLA-Rialto Perchlorate |
| Address: | 250 West First Street Suite 228<br>Claremont, CA 91711 | Project Number: | [none] |
| | | **Work Order Number:** | **B4H1588** |
| Report Date: | 27-Aug-2014 | Received on Ice (Y/N): | Yes Temp: 1 °C |

## Notes and Definitions

| | |
|---|---|
| ND: | Analyte NOT DETECTED at or above the Method Detection Limit **(if MDL is reported)**, otherwise at or above the Reportable Detection Limit (RDL) |
| NR: | Not Reported |
| RDL: | Reportable Detection Limit |
| MDL: | Method Detection Limit |
| * / ''' : | NELAP does not offer accreditation for this analyte/method/matrix combination |

## Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

cc:

e-MDL_No Alias.rpt

BABCOCK Laboratories, Inc.
*The Standard of Excellence for Over 100 Years*

| | | | |
|---|---|---|---|
| Client Name: | GeoLogic Associates-SB | Analytical Report: | Page 1 of 1 |
| Contact: | Jason Sapp | Project Name: | GLA-Rialto Perchlorate |
| Address: | 250 West First Street Suite 228<br>Claremont, CA 91711 | Project Number: | [none] |
| | | **Work Order Number:** | **B4H1588** |
| Report Date: | 27-Aug-2014 | Received on Ice (Y/N): Yes | Temp: 1 °C |

BABCOCK Laboratories, Inc.
*The Standard of Excellence for Over 100 Years*
6100 Quail Valley Court Riverside, CA 92507
(951) 653-3351 • FAX (951) 653-1662
www.babcocklabs.com

**Chain of Custody & Sample Information Record**

Client: GeoLogic Assoc. Contact: Jason Sapp Fax No: 909-626-1233
Phone No. 909-626-2282 email:
Project Name: Rialto Perchlorate Turn Around Time: Routine *72 Hour Rush *48 Hour Rush *24 Hour Rush
Project Location: Rialto, CA *Lab TAT Approval: *Additional Charges Apply By:

Additional Reporting Requests: Include QC Data Package: ☐ Yes ☐ No; FAX Results: ☐ Yes ☐ No; Email Results: ☐ Yes ☐ No; State EDT: ☐ Yes ☐ No (Include Source Number in Notes)

Sampler Information: Name: Mike Campbell; Employer: GeoLogic; Signature: [signature]

Matrix: DW = Drinking Water; WW = Waste Water; GW = Ground Water; S = Source; SG = Sludge; L = Liquid; M = Miscellaneous

| Sample ID | Date | Time | Unpreserved | $H_2SO_4$ | HCl | $HNO_3$ | $Na_2S_2O_3$ | NaOH | NaOH/Zn Acetate | $NH_4Cl$ | PDC | Total # of Containers | Sample Type: Routine | Sample Type: Research | Sample Type: Special | Analysis Requested | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N7-S1 | 8/14/14 | 0915 | X | | | | | | | | | 1 | | | X | 332.0 (Perchlorate) | Check w/ Jason Sapp Regarding T.A.T. @ 909-626-2282 |
| N7-S2 | 8-14-14 | 1010 | X | | | | | | | | | 1 | | | X | | Normal TAT per Ralph. JS |

| Relinquished By (sign) | Print Name / Company | Date / Time | Received By (sign) | Print Name / Company |
|---|---|---|---|---|
| [signature] | Brent Salinas / GLA | 8/14/14 1540 | [signature] | [signature] / GLA |

For Lab Use Only) Sample Integrity Upon Receipt/Acceptance Criteria

| | | | |
|---|---|---|---|
| ample(s) Submitted on Ice? | (Yes) No | Sample meets laboratory acceptance criteria? | (Yes) No |
| ustody Seal(s) Intact? | Yes No (NA) | Permission to continue: | Yes No |
| ample(s) Intact? | (Yes) No | Deviation/Notes: | |
| emperature: 1 °C | ☐ Cooler Blank | Signature/Date: | |

Lab No. B4H1588
Logged in By/Date: AUG 15 2014
Page ____ of ____
Rev. 04/13

**BC Laboratories, Inc.**
Environmental Testing Laboratory Since 1949

Date of Report: 09/11/2014

Jason Sapp

Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

| | |
|---|---|
| Client Project: | 2013.0100 |
| BCL Project: | Rialto Perchlorate Investigaton |
| BCL Work Order: | 14189I 1 |
| Invoice ID: | B182938 |

Enclosed are the results of analyses for samples received by the laboratory on 8/1I /2014q If you have any zuestions concerning this report, please feel free to contact meq

Sincerely,

Tina Green

Contact Person: Tina Green
Client Services Manager

Authorized Signature

Certifications: CA ELAP 6118I ; NV 6CA00014; OR ELAP 64032.001; A- KST101

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## Quality Control Reports

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**Organo-Phosphorus Pesticide Analysis (EPA Method 8141B)**


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BC Laboratories

# Chain of Custody Form

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| | |
|---|---|
| Report To: Client: GeoLogic Associates | Project #: 2013-0100 |
| Attn: Jason Sapp | Project Name: Rialto Perchlorate |
| Street Address: 250 W. First St #228 | |
| City, State, Zip: Claremont, Ca 91711 | Sampler(s): A. Shon, M. Campbell, B. Salinas |
| Phone: 909 626-2282 Fax: 909 626-1233 | |
| Email Address: | |
| Work Order #: 14-18961 | |

Analysis Requested

| Sample # | Description | Date Sampled | Time Sampled | VOCs 524.2 including 1,2,3 TCP | TOME, TBA, ETBE and 1,1,2 TCTFE | Perchlorate | Hardness (calc.) | Chloride, Nitrate-N, Nitrite-N, Sulfate | TDS | Alkalinity, Hydroxide, Carbonate, Bicarbonate | MBAS (EPA 425.1) | Cyanide, Total | Ammonia-N | SVOCs EPA 8270 | Silica, Boron, Calcium, Magnesium, Potassium, Sodium | Organochlorine Pesticides EPA 8081 | Organophosphorus Pesticides EPA 8141 | Chlorinated Herbicides EPA 8151 | NDMA 8270-SIM | Soil | Sludge | Drinking Water | Ground Water | Waste Water | Other | Turnaround # of work days* | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -1 | N1-2 | 8/14/14 | 1128 | X | X | | | | | | | | | | | | | | | | | | X | | | | |
| -2 | N2-2 | | 12:25 | X | X | | | | | | | | | | | | | | | | | | X | | | | |
| -3 | N14-4 | | 15:41 | X | X | X | X | X | X | X | X | X | X | | | | | | | | | | X | | | | |
| -4 | N17-B | | 08:25 | X | X | | | | | | | | | | | | | | | | | | X | | | | |
| -5 | N17-C1 | | 09:10 | X | X | | | | | | | | | | | | | | | | | | X | | | | |
| -6 | N17-C2 | | 10:05 | X | X | | | | | | | | | | | | | | | | | | X | | | | |
| -7 | B-14 | | 10:45 | X | X | | | | | | | | | | | | | | | | | | X | | | | |
| -8 | B-22 | | 1140 | X | X | | | | | | | | | | | | | | | | | | X | | | | |
| -9 | B-23S | | 0830 | X | X | | | | | | | | | | | | | | | | | | X | | | | |
| -10 | B-23D | | 0945 | X | X | | | | | | | | | | | | | | | | | | X | | | | |
| -11 | QCAB | | — | X | | | | | | | | | | | | | | | | | | | | X | | | |
| -12 | QCTB | | — | X | | | | | | | | | | | | | | | | | | | | X | | | |

Sample Matrix: Soil, Sludge, Drinking Water, Ground Water, Waste Water, Other (Lab 0.J H2U)

Comments: Metals were filter in the field

Are there any tests with holding times less than or equal to 48 hours? ☒ Yes ☐ No

* Standard Turnaround = 10 work days

HOLDING TIME: OP SS; MBAS COT

CHK BY DISTRIBUTION: SUB-OUT ☐

**Billing** ☒ Same as above

Client:
Address:
City: State: Zip:
Attn:
PO#:

EDF Required? Geotracker ☒ Yes ☐ No

Send Copy to State of CA? (EDT) ☐ Yes ☒ No

Global ID (Needed for EDF)

System # (Needed for EDT)

| Relinquished By | Date | Time | Received By | Date | Time |
|---|---|---|---|---|---|
| 1. Michael Campbell | 8-14-14 | 16:30 | 1. | 8/16/14 | 1225 |
| 2. | | | 2. | | |
| 3. | | | 3. | | |

BC Laboratories, Inc. – 4100 Atlas Ct. – Bakersfield, CA 93308 – 661.327.4911 – Fax: 661.327.1918 – www.bclabs.com

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**Chain of Custody and Cooler Receipt Form for 1418961 Page 2 of 3**

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 17 06/05/14 Page 1 Of 2

Submission #: 14-18961

**SHIPPING INFORMATION**
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☐ Other ☑ (Specify) ON TRAC

**SHIPPING CONTAINER**
Ice Chest ☑ None ☐ Box ☐
Other ☐ (Specify)

**FREE LIQUID**
YES ☐ NO ☐

Refrigerant: Ice ☐ Blue Ice ☑ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.97 Container: OTPE Thermometer ID: 207 Date/Time 8/16 1225
Temperature: (A) 4.3° °C / (C) 4.5° °C Analyst Init FB

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT GENERAL MINERAL/ GENERAL | B | B | B | | | | | | | |
| PT PE UNPRESERVED 8oz | | | | B | B | B | B | B | B | B |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT INORGANIC CHEMICAL METALS | | | C | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT TOX | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | A B | A B | A B | A B | A B | A B | A B | A B | A B | A B |
| QT EPA 413.1, 413.2, 418.1 | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608/8080 | | | | | | | | | | |
| QT EPA 515.1/8150 | | | | | | | | | | |
| QT EPA 525 | | | | | | | | | | |
| QT EPA 525 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz Amber EPA 548 | | | | | | | | | | |
| QT EPA 549 | | | | | | | | | | |
| QT EPA 632 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT AMBER | | | D,E,F,G,H | | | | | | | |
| 8 OZ. JAR | | | | | | | | | | |
| 32 OZ. JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| Summa Canister | | | | | | | | | | |

Comments:
Sample Numbering Completed By: BP Date/Time: 8/18/14 0751 (S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC16
A = Actual / C = Corrected

**Chain of Custody and Cooler Receipt Form for 1418961 Page 3 of 3**

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 17 06/05/14 Page 2 Of 2

Submission #: 14-18961

**SHIPPING INFORMATION**
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☐ Other ☑ (Specify) ON TRAC

**SHIPPING CONTAINER**
Ice Chest ☑ None ☐ Box ☐
Other ☐ (Specify)

**FREE LIQUID**
YES ☐ NO ☐

Refrigerant: Ice ☐ Blue Ice ☑ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.97 Container: QT PE Thermometer ID: 207 Date/Time 8/16 1225
Temperature: (A) 4.3° °C / (C) 4.5° °C Analyst Init TB

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT GENERAL MINERAL/ GENERAL | | | | | | | | | | |
| PT PE UNPRESERVED | | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT TOX | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PIA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | A-2 | | | | | | | | |
| 40ml VOA VIAL | A-2 | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) |
| QT EPA 413.1, 413.2, 418.1 | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608/8080 | | | | | | | | | | |
| QT EPA 515.1/8150 | | | | | | | | | | |
| QT EPA 525 | | | | | | | | | | |
| QT EPA 525 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz Amber EPA 548 | | | | | | | | | | |
| QT EPA 549 | | | | | | | | | | |
| QT EPA 632 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT AMBER | | | | | | | | | | |
| 8 OZ. JAR | | | | | | | | | | |
| 32 OZ. JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| Summa Canister | | | | | | | | | | |

Comments:
Sample Numbering Completed By: DP Date/Time: 8/18/14 0751 (S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC16
A = Actual / C = Corrected

Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate 7nvestigaton
Project Number: 2013.0100
Project # anager: Jason Sapp

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| **1418961-01** | **COC Number:** | … | **Receive Date:** | 08/1I /2014 12:25 |
| | **Project Number:** | … | **Sampling Date:** | 08/14/2014 11:28 |
| | **Sampling Location:** | … | **Sample Depth:** | … |
| | **Sampling Point:** | N1.2 | **Lab Matrix:** | Water |
| | **Sampled By:** | … | **Sample Type:** | Groundwater |
| **1418961-02** | **COC Number:** | … | **Receive Date:** | 08/1I /2014 12:25 |
| | **Project Number:** | … | **Sampling Date:** | 08/14/2014 12:25 |
| | **Sampling Location:** | … | **Sample Depth:** | … |
| | **Sampling Point:** | N2.2 | **Lab Matrix:** | Water |
| | **Sampled By:** | … | **Sample Type:** | Groundwater |
| **1418961-03** | **COC Number:** | … | **Receive Date:** | 08/1I /2014 12:25 |
| | **Project Number:** | … | **Sampling Date:** | 08/14/2014 15:41 |
| | **Sampling Location:** | … | **Sample Depth:** | … |
| | **Sampling Point:** | N14.4 | **Lab Matrix:** | Water |
| | **Sampled By:** | … | **Sample Type:** | Groundwater |
| **1418961-04** | **COC Number:** | … | **Receive Date:** | 08/1I /2014 12:25 |
| | **Project Number:** | … | **Sampling Date:** | 08/14/2014 08:25 |
| | **Sampling Location:** | … | **Sample Depth:** | … |
| | **Sampling Point:** | N1) .B | **Lab Matrix:** | Water |
| | **Sampled By:** | … | **Sample Type:** | Groundwater |
| **1418961-05** | **COC Number:** | … | **Receive Date:** | 08/1I /2014 12:25 |
| | **Project Number:** | … | **Sampling Date:** | 08/14/2014 09:10 |
| | **Sampling Location:** | … | **Sample Depth:** | … |
| | **Sampling Point:** | N1) .C1 | **Lab Matrix:** | Water |
| | **Sampled By:** | … | **Sample Type:** | Groundwater |
| **1418961-06** | **COC Number:** | … | **Receive Date:** | 08/1I /2014 12:25 |
| | **Project Number:** | … | **Sampling Date:** | 08/14/2014 10:05 |
| | **Sampling Location:** | … | **Sample Depth:** | … |
| | **Sampling Point:** | N1) .C2 | **Lab Matrix:** | Water |
| | **Sampled By:** | … | **Sample Type:** | Groundwater |
| **1418961-07** | **COC Number:** | … | **Receive Date:** | 08/1I /2014 12:25 |
| | **Project Number:** | … | **Sampling Date:** | 08/14/2014 10:45 |
| | **Sampling Location:** | … | **Sample Depth:** | … |
| | **Sampling Point:** | B.14 | **Lab Matrix:** | Water |
| | **Sampled By:** | … | **Sample Type:** | Groundwater |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| **1418961-08** | **COC Number:** | … | **Receive Date:** | 08/11/2014 12:25 |
| | **Project Number:** | … | **Sampling Date:** | 08/14/2014 11:40 |
| | **Sampling Location:** | … | **Sample Depth:** | … |
| | **Sampling Point:** | B.22 | **Lab Matrix:** | Water |
| | **Sampled By:** | … | **Sample Type:** | Groundwater |
| **1418961-09** | **COC Number:** | … | **Receive Date:** | 08/11/2014 12:25 |
| | **Project Number:** | … | **Sampling Date:** | 08/14/2014 08:30 |
| | **Sampling Location:** | … | **Sample Depth:** | … |
| | **Sampling Point:** | B.23S | **Lab Matrix:** | Water |
| | **Sampled By:** | … | **Sample Type:** | Groundwater |
| **1418961-10** | **COC Number:** | … | **Receive Date:** | 08/11/2014 12:25 |
| | **Project Number:** | … | **Sampling Date:** | 08/14/2014 09:45 |
| | **Sampling Location:** | … | **Sample Depth:** | … |
| | **Sampling Point:** | B.23D | **Lab Matrix:** | Water |
| | **Sampled By:** | … | **Sample Type:** | Groundwater |
| **1418961-11** | **COC Number:** | … | **Receive Date:** | 08/11/2014 12:25 |
| | **Project Number:** | … | **Sampling Date:** | 08/14/2014 00:00 |
| | **Sampling Location:** | … | **Sample Depth:** | … |
| | **Sampling Point:** | QCAB | **Lab Matrix:** | Water |
| | **Sampled By:** | … | **Sample Type:** | Groundwater |
| **1418961-12** | **COC Number:** | … | **Receive Date:** | 08/11/2014 12:25 |
| | **Project Number:** | … | **Sampling Date:** | 08/14/2014 00:00 |
| | **Sampling Location:** | … | **Sample Depth:** | … |
| | **Sampling Point:** | QCTB | **Lab Matrix:** | Water |
| | **Sampled By:** | … | **Sample Type:** | Trip Blank |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189I 1.01 | **Client Sample Name:** N1.2, 8/14/2014 11:28:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA.524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA.524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.2) | EPA.524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA.524.2 | ND | | 1 |
| n.Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| sec.Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| tert.Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA.524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| 2.Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA.524.2 | ND | | 1 |
| 4.Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,2.Dibromo.3.chloropropane | ND | ug/L | 1.0 | 0.44 | EPA.524.2 | ND | | 1 |
| 1,2.Dibromoethane | ND | ug/L | 0.50 | 0.1I | EPA.524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA.524.2 | ND | | 1 |
| 1,2.Dichlorobenzene | ND | ug/L | 0.50 | 0.0) 2 | EPA.524.2 | ND | | 1 |
| 1,3.Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,4.Dichlorobenzene | ND | ug/L | 0.50 | 0.0I 2 | EPA.524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA.524.2 | ND | | 1 |
| 1,1.Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloroethane | ND | ug/L | 0.50 | 0.1) | EPA.524.2 | ND | | 1 |
| 1,1.Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| cis.1,2.Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA.524.2 | ND | | 1 |
| trans.1,2.Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,3.Dichloropropane | ND | ug/L | 0.50 | 0.08I | EPA.524.2 | ND | | 1 |
| 2,2.Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,1.Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA.524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189I 1.01 | **Client Sample Name:** N1.2, 8/14/2014 11:28:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis.1,3.Dichloropropene | ND | ug/L | 0.50 | 0.014 | EPA.524.2 | ND | | 1 |
| trans.1,3.Dichloropropene | ND | ug/L | 0.50 | 0.019 | EPA.524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA.524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.01 | EPA.524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.014 | EPA.524.2 | ND | | 1 |
| p.Isopropyltoluene | ND | ug/L | 0.50 | 0.012 | EPA.524.2 | ND | | 1 |
| # ethylene chloride | ND | ug/L | 0.50 | 0.048 | EPA.524.2 | ND | | 1 |
| # ethyl t.butyl ether | ND | ug/L | 0.50 | 0.011 | EPA.524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.031 | EPA.524.2 | ND | | 1 |
| n.Propylbenzene | ND | ug/L | 0.50 | 0.011 | EPA.524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.018 | EPA.524.2 | ND | | 1 |
| 1,1,1,2.Tetrachloroethane | ND | ug/L | 0.50 | 0.018 | EPA.524.2 | ND | | 1 |
| 1,1,2,2.Tetrachloroethane | ND | ug/L | 0.50 | 0.01 | EPA.524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.013 | EPA.524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA.524.2 | ND | | 1 |
| 1,2,3.Trichlorobenzene | ND | ug/L | 0.50 | 0.011 | EPA.524.2 | ND | | 1 |
| 1,2,4.Trichlorobenzene | ND | ug/L | 0.50 | 0.019 | EPA.524.2 | ND | | 1 |
| 1,1,1.Trichloroethane | ND | ug/L | 0.50 | 0.011 | EPA.524.2 | ND | | 1 |
| 1,1,2.Trichloroethane | ND | ug/L | 0.50 | 0.011 | EPA.524.2 | ND | | 1 |
| **Trichloroethene** | **3.3** | **ug/L** | **0.50** | **0.085** | **EPA-524.2** | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.013 | EPA.524.2 | ND | V11 | 1 |
| 1,2,3.Trichloropropane | ND | ug/L | 1.0 | 0.024 | EPA.524.2 | ND | | 1 |
| 1,1,2.Trichloro.1,2,2.trifluoroethane | ND | ug/L | 0.50 | 0.015 | EPA.524.2 | ND | | 1 |
| 1,2,4.Trimethylbenzene | ND | ug/L | 0.50 | 0.012 | EPA.524.2 | ND | | 1 |
| 1,3,5.Trimethylbenzene | ND | ug/L | 0.50 | 0.012 | EPA.524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.012 | EPA.524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.1 | EPA.524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA.524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.30 | EPA.524.2 | ND | | 1 |
| t.Amyl # ethyl ether | ND | ug/L | 0.50 | 0.25 | EPA.524.2 | ND | | 1 |
| t.Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA.524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA.524.2 | ND | | 1 |
| trans.1,4.Dichloro.2.butene | ND | ug/L | 5.0 | 1.4 | EPA.524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189I 1.01 | **Client Sample Name:** N1.2, 8/14/2014 11:28:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA.524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.09 | EPA.524.2 | ND | | 1 |
| Ethyl t.butyl ether | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| 2.Hexanone | ND | ug/L | 10 | 3.4 | EPA.524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.0 | EPA.524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA.524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.41 | EPA.524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA.524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA.524.2 | ND | | 1 |
| NitrobenMene | ND | ug/L | 30 | 13 | EPA.524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA.524.2 | ND | V01,V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA.524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA.524.2 | ND | | 1 |
| p. & m.Xylenes | ND | ug/L | 0.50 | 0.28 | EPA.524.2 | ND | | 1 |
| o.Xylene | ND | ug/L | 0.50 | 0.082 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloroethane.d4 (Surrogate) | 110 | % | 75 - 125 | UCL - LCL | EPA.524.2 | | | 1 |
| Toluene.d8 (Surrogate) | 99.2 | % | 80 - 120 | UCL - LCL | EPA.524.2 | | | 1 |
| 4.BromofluorobenMene (Surrogate) | 85.1 | % | 80 - 120 | UCL - LCL | EPA.524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.524.2 | 08/20/14 | 08/22/14 00:20 | JCC | MS.V14 | 1 | BXH1089 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 14189I 1.01 | **Client Sample Name:** N1.2, 8/14/2014 11:28:00A#

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **4.6** | **ug/L** | **4.0** | **0.45** | **EPA-314.0** | ND | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.314.0 | 09/09/14 | 09/10/14 10:39 | LD1 | IC | 1 | BX0819 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189I 1.02 | **Client Sample Name:** N2.2, 8/14/2014 12:25:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA.524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA.524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.2) | EPA.524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA.524.2 | ND | | 1 |
| n.Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| sec.Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| tert.Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA.524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| 2.Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA.524.2 | ND | | 1 |
| 4.Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,2.Dibromo.3.chloropropane | ND | ug/L | 1.0 | 0.44 | EPA.524.2 | ND | | 1 |
| 1,2.Dibromoethane | ND | ug/L | 0.50 | 0.1I | EPA.524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA.524.2 | ND | | 1 |
| 1,2.Dichlorobenzene | ND | ug/L | 0.50 | 0.0) 2 | EPA.524.2 | ND | | 1 |
| 1,3.Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,4.Dichlorobenzene | ND | ug/L | 0.50 | 0.0I 2 | EPA.524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA.524.2 | ND | | 1 |
| 1,1.Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloroethane | ND | ug/L | 0.50 | 0.1) | EPA.524.2 | ND | | 1 |
| 1,1.Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| cis.1,2.Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA.524.2 | ND | | 1 |
| trans.1,2.Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,3.Dichloropropane | ND | ug/L | 0.50 | 0.08I | EPA.524.2 | ND | | 1 |
| 2,2.Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,1.Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA.524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate 7nvestigaton
Project Number: 2013.0100
Project # anager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189l 1.02 | **Client Sample Name:** N2.2, 8/14/2014 12:25:00P#

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis.1,3.Dichloropropene | ND | ug/L | 0ф50 | 0ф14 | EPA.524ф2 | ND | | 1 |
| trans.1,3.Dichloropropene | ND | ug/L | 0ф50 | 0ф0) 9 | EPA.524ф2 | ND | | 1 |
| EthylbenMene | ND | ug/L | 0ф50 | 0ф098 | EPA.524ф2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0ф50 | 0ф1) | EPA.524ф2 | ND | | 1 |
| 7sopropylbenMene | ND | ug/L | 0ф50 | 0ф14 | EPA.524ф2 | ND | | 1 |
| p.7sopropyltoluene | ND | ug/L | 0ф50 | 0ф12 | EPA.524ф2 | ND | | 1 |
| # ethylene chloride | ND | ug/L | 0ф50 | 0ф48 | EPA.524ф2 | ND | | 1 |
| # ethyl t.butyl ether | ND | ug/L | 0ф50 | 0ф11 | EPA.524ф2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0ф50 | 0ф3I | EPA.524ф2 | ND | | 1 |
| n.PropylbenMene | ND | ug/L | 0ф50 | 0ф11 | EPA.524ф2 | ND | | 1 |
| Styrene | ND | ug/L | 0ф50 | 0ф0I 8 | EPA.524ф2 | ND | | 1 |
| 1,1,1,2.Tetrachloroethane | ND | ug/L | 0ф50 | 0ф18 | EPA.524ф2 | ND | | 1 |
| 1,1,2,2.Tetrachloroethane | ND | ug/L | 0ф50 | 0ф1) | EPA.524ф2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0ф50 | 0ф13 | EPA.524ф2 | ND | | 1 |
| Toluene | ND | ug/L | 0ф50 | 0ф093 | EPA.524ф2 | ND | | 1 |
| 1,2,3.TrichlorobenMene | ND | ug/L | 0ф50 | 0ф1I | EPA.524ф2 | ND | | 1 |
| 1,2,4.TrichlorobenMene | ND | ug/L | 0ф50 | 0ф19 | EPA.524ф2 | ND | | 1 |
| 1,1,1.Trichloroethane | ND | ug/L | 0ф50 | 0ф11 | EPA.524ф2 | ND | | 1 |
| 1,1,2.Trichloroethane | ND | ug/L | 0ф50 | 0ф1I | EPA.524ф2 | ND | | 1 |
| Trichloroethene | ND | ug/L | 0ф50 | 0ф085 | EPA.524ф2 | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0ф50 | 0ф13 | EPA.524ф2 | ND | V11 | 1 |
| 1,2,3.Trichloropropane | ND | ug/L | 1ф0 | 0ф24 | EPA.524ф2 | ND | | 1 |
| 1,1,2.Trichloro.1,2,2.trifluoroethane | ND | ug/L | 0ф50 | 0ф15 | EPA.524ф2 | ND | | 1 |
| 1,2,4.TrimethylbenMene | ND | ug/L | 0ф50 | 0ф12 | EPA.524ф2 | ND | | 1 |
| 1,3,5.TrimethylbenMene | ND | ug/L | 0ф50 | 0ф12 | EPA.524ф2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0ф50 | 0ф12 | EPA.524ф2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4ф | EPA.524ф2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5ф0 | 1ф2 | EPA.524ф2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5ф0 | 0ф30 | EPA.524ф2 | ND | | 1 |
| t.Amyl # ethyl ether | ND | ug/L | 0ф50 | 0ф25 | EPA.524ф2 | ND | | 1 |
| t.Butyl alcohol | ND | ug/L | 10 | 9ф4 | EPA.524ф2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1ф0 | 0ф38 | EPA.524ф2 | ND | | 1 |
| trans.1,4.Dichloro.2.butene | ND | ug/L | 5ф0 | 1ф4 | EPA.524ф2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189I 1.02 | **Client Sample Name:** N2.2, 8/14/2014 12:25:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA.524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.09 | EPA.524.2 | ND | | 1 |
| Ethyl t.butyl ether | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| 2.Hexanone | ND | ug/L | 10 | 3.4 | EPA.524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.0 | EPA.524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA.524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.14 | EPA.524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA.524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA.524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA.524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA.524.2 | ND | V01,V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA.524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA.524.2 | ND | | 1 |
| p. & m.Xylenes | ND | ug/L | 0.50 | 0.28 | EPA.524.2 | ND | | 1 |
| o.Xylene | ND | ug/L | 0.50 | 0.082 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloroethane.d4 (Surrogate) | 121 | % | 75 - 125 | UCL - LCL | EPA.524.2 | | | 1 |
| Toluene.d8 (Surrogate) | 98.0 | % | 80 - 120 | UCL - LCL | EPA.524.2 | | | 1 |
| 4.Bromofluorobenzene (Surrogate) | 90.0 | % | 80 - 120 | UCL - LCL | EPA.524.2 | | S09 | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.524.2 | 08/20/14 | 08/22/14 00:43 | JCC | MS.V14 | 1 | BXH1089 |

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| | |
|---|---|
| Geologic Associates<br>1831 Commercenter East<br>San Bernardino, CA 92408 | **Reported:** 09/11/2014 14:11<br>Project: Rialto Perchlorate Investigaton<br>Project Number: 2013.0100<br>Project Manager: Jason Sapp |

# Water Analysis (General Chemistry)

**BCL Sample ID:** 14189I 1.02 | **Client Sample Name:** N2.2, 8/14/2014 12:25:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Perchlorate | ND | ug/L | 4.0 | 0.45 | EPA.314.0 | ND | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.314.0 | 09/08/14 | 09/09/14 00:01 | LD1 | IC1 | 1 | BX10 21 |

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| | |
|---|---|
| Geologic Associates<br>1831 Commercenter East<br>San Bernardino, CA 92408 | **Reported:** 09/11/2014 14:11<br>Project: Rialto Perchlorate Investigaton<br>Project Number: 2013.0100<br>Project Manager: Jason Sapp |

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189I 1.03 | **Client Sample Name:** N14.4, 8/14/2014 3:41:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA.524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA.524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.2) | EPA.524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA.524.2 | ND | | 1 |
| n.Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| sec.Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| tert.Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA.524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| 2.Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA.524.2 | ND | | 1 |
| 4.Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,2.Dibromo.3.chloropropane | ND | ug/L | 1.0 | 0.44 | EPA.524.2 | ND | | 1 |
| 1,2.Dibromoethane | ND | ug/L | 0.50 | 0.1I | EPA.524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA.524.2 | ND | | 1 |
| 1,2.Dichlorobenzene | ND | ug/L | 0.50 | 0.0) 2 | EPA.524.2 | ND | | 1 |
| 1,3.Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,4.Dichlorobenzene | ND | ug/L | 0.50 | 0.0I 2 | EPA.524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA.524.2 | ND | | 1 |
| 1,1.Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloroethane | ND | ug/L | 0.50 | 0.1) | EPA.524.2 | ND | | 1 |
| 1,1.Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| cis.1,2.Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA.524.2 | ND | | 1 |
| trans.1,2.Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,3.Dichloropropane | ND | ug/L | 0.50 | 0.08I | EPA.524.2 | ND | | 1 |
| 2,2.Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,1.Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA.524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418911.03 | **Client Sample Name:** N14.4, 8/14/2014 3:41:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA 524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.09 | EPA 524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA 524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.1 | EPA 524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA 524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA 524.2 | ND | | 1 |
| # ethylene chloride | ND | ug/L | 0.50 | 0.48 | EPA 524.2 | ND | | 1 |
| # ethyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA 524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.31 | EPA 524.2 | ND | | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA 524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.018 | EPA 524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA 524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.1 | EPA 524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA 524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA 524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.11 | EPA 524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA 524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA 524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA 524.2 | ND | | 1 |
| Trichloroethene | ND | ug/L | 0.50 | 0.085 | EPA 524.2 | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA 524.2 | ND | V11 | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA 524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA 524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA 524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA 524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA 524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.1 | EPA 524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA 524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.30 | EPA 524.2 | ND | | 1 |
| t-Amyl # ethyl ether | ND | ug/L | 0.50 | 0.25 | EPA 524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA 524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA 524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA 524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189I 1.03 | **Client Sample Name:** N14.4, 8/14/2014 3:41:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA.524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.09 | EPA.524.2 | ND | | 1 |
| Ethyl t.butyl ether | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| 2.Hexanone | ND | ug/L | 10 | 3.4 | EPA.524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.0 | EPA.524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA.524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.41 | EPA.524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA.524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA.524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA.524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA.524.2 | ND | V01,V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA.524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA.524.2 | ND | | 1 |
| p. & m.Xylenes | ND | ug/L | 0.50 | 0.28 | EPA.524.2 | ND | | 1 |
| o.Xylene | ND | ug/L | 0.50 | 0.082 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloroethane.d4 (Surrogate) | 110 | % | 75 - 125 | UCL - LCL | EPA.524.2 | | | 1 |
| Toluene.d8 (Surrogate) | 102 | % | 80 - 120 | UCL - LCL | EPA.524.2 | | | 1 |
| 4.Bromofluorobenzene (Surrogate) | 82.1 | % | 80 - 120 | UCL - LCL | EPA.524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.524.2 | 08/20/14 | 08/22/14 01:01 | JCC | MS.V14 | 1 | BXH1189 |

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San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate 7nvestigaton
Project Number: 2013.0100
Project # anager: Jason Sapp

# Organochlorine Pesticides and PCB's (EPA Method 8080)

**BCL Sample ID:** 14189I 1.03 | **Client Sample Name:** N14.4, 8/14/2014 3:41:00P#

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Aldrin | ND | ug/L | 0ф050 | 0ф013 | EPA.8080 | ND | | 1 |
| alpha.BHC | ND | ug/L | 0ф050 | 0ф011 | EPA.8080 | ND | | 1 |
| beta.BHC | ND | ug/L | 0ф050 | 0ф021 | EPA.8080 | ND | | 1 |
| delta.BHC | ND | ug/L | 0ф050 | 0ф014 | EPA.8080 | ND | | 1 |
| gamma.BHC ULindane( | ND | ug/L | 0ф050 | 0ф0094 | EPA.8080 | ND | | 1 |
| Chlordane UTechnical( | ND | ug/L | 0ф50 | 0ф38 | EPA.8080 | ND | | 1 |
| 4,4'.DDD | ND | ug/L | 0ф050 | 0ф01) | EPA.8080 | ND | | 1 |
| 4,4'.DDE | ND | ug/L | 0ф050 | 0ф019 | EPA.8080 | ND | | 1 |
| 4,4'.DDT | ND | ug/L | 0ф050 | 0ф00) I | EPA.8080 | ND | | 1 |
| Dieldrin | ND | ug/L | 0ф050 | 0ф012 | EPA.8080 | ND | | 1 |
| Endosulfan 7 | ND | ug/L | 0ф050 | 0ф01I | EPA.8080 | ND | | 1 |
| Endosulfan 77 | ND | ug/L | 0ф050 | 0ф014 | EPA.8080 | ND | | 1 |
| Endosulfan sulfate | ND | ug/L | 0ф050 | 0ф02I | EPA.8080 | ND | | 1 |
| Endrin | ND | ug/L | 0ф050 | 0ф0082 | EPA.8080 | ND | | 1 |
| Endrin aldehyde | ND | ug/L | 0ф10 | 0ф032 | EPA.8080 | ND | | 1 |
| Heptachlor | ND | ug/L | 0ф050 | 0ф012 | EPA.8080 | ND | | 1 |
| Heptachlor epoxide | ND | ug/L | 0ф050 | 0ф0099 | EPA.8080 | ND | | 1 |
| # ethoxychlor | ND | ug/L | 0ф050 | 0ф011 | EPA.8080 | ND | | 1 |
| Toxaphene | ND | ug/L | 2ф | 0ф42 | EPA.8080 | ND | | 1 |
| PCB.101I | ND | ug/L | 0ф20 | 0ф45 | EPA.8080 | ND | | 1 |
| PCB.1221 | ND | ug/L | 0ф20 | 0ф) 0 | EPA.8080 | ND | | 1 |
| PCB.1232 | ND | ug/L | 0ф20 | 0ф81 | EPA.8080 | ND | | 1 |
| PCB.1242 | ND | ug/L | 0ф20 | 0ф I 5 | EPA.8080 | ND | | 1 |
| PCB.1248 | ND | ug/L | 0ф20 | 0ф85 | EPA.8080 | ND | | 1 |
| PCB.1254 | ND | ug/L | 0ф20 | 0ф) ) | EPA.8080 | ND | | 1 |
| PCB.12I 0 | ND | ug/L | 0ф20 | 0ф I 0 | EPA.8080 | ND | | 1 |
| Total PCB's USummation( | ND | ug/L | 0ф20 | 0ф10 | EPA.8080 | ND | | 1 |
| TC# X USurrogate( | 91ф4 | % | 40 . 140 ULCL . KCL( | | EPA.8080 | | | 1 |
| Decachlorobiphenyl USurrogate( | ) 3ф1 | % | 40 . 120 ULCL . KCL( | | EPA.8080 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.8080 | 08/21/14 | 09/02/14 20:3I | VH1 | GC.1) | 1 | BXH2I 30 |

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1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141B)

**BCL Sample ID:** 14189I 1.03 | **Client Sample Name:** N14.4, 8/14/2014 3:41:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Ammiphos methyl | ND | ug/L | 0.43 | 0.12 | EPA.8141B | ND | | 1 |
| Bolstar | ND | ug/L | 0.43 | 0.12 | EPA.8141B | ND | | 1 |
| Chlorpyrifos | ND | ug/L | 0.43 | 0.022 | EPA.8141B | ND | | 1 |
| Coumaphos | ND | ug/L | 0.43 | 0.12 | EPA.8141B | ND | | 1 |
| Demeton O/S | ND | ug/L | 0.43 | 0.05) | EPA.8141B | ND | | 1 |
| Diazinon | ND | ug/L | 0.43 | 0.09I | EPA.8141B | ND | | 1 |
| Dichlorvos | ND | ug/L | 0.43 | 0.15 | EPA.8141B | ND | | 1 |
| Disulfoton | ND | ug/L | 1.1 | 0.085 | EPA.8141B | ND | | 1 |
| Ethoprop | ND | ug/L | 0.43 | 0.054 | EPA.8141B | ND | | 1 |
| Fensulfothion | ND | ug/L | 0.43 | 0.19 | EPA.8141B | ND | | 1 |
| Fenthion | ND | ug/L | 0.43 | 0.0) 2 | EPA.8141B | ND | | 1 |
| Merphos | ND | ug/L | 0.43 | 0.13 | EPA.8141B | ND | | 1 |
| Methyl parathion | ND | ug/L | 0.43 | 0.1I | EPA.8141B | ND | | 1 |
| Mevinphos | ND | ug/L | 0.43 | 0.12 | EPA.8141B | ND | | 1 |
| Naled | ND | ug/L | 0.43 | 0.1I | EPA.8141B | ND | | 1 |
| Phorate | ND | ug/L | 0.43 | 0.089 | EPA.8141B | ND | | 1 |
| Ronnel (Fenchlorphos) | ND | ug/L | 0.43 | 0.15 | EPA.8141B | ND | | 1 |
| Stirophos (Tetrachlorvinphos) | ND | ug/L | 0.43 | 0.10 | EPA.8141B | ND | | 1 |
| Tokuthion (Prothiofos) | ND | ug/L | 0.43 | 0.0) 0 | EPA.8141B | ND | | 1 |
| Trichloronate | ND | ug/L | 0.43 | 0.083 | EPA.8141B | ND | | 1 |
| Triphenylphosphate (Surrogate) | 81.0 | % | 50 . 140 (LCL . KCL) | | EPA.8141B | | V11 | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.8141B | 08/21/14 | 08/31/14 14:19 | # - 1 | GC.) | 2.1) 4 | BX7030I |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Chlorinated Herbicides (EPA Method 8151A)

**BCL Sample ID:** 14189-01.03 | **Client Sample Name:** N14.4, 8/14/2014 3:41:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | ND | ug/L | 0.40 | 0.015 | EPA 8151A | ND | | 1 |
| 2,4-DB | ND | ug/L | 3.0 | 0.32 | EPA 8151A | ND | | 1 |
| Dalapon | ND | ug/L | 10 | 2.4 | EPA 8151A | ND | | 1 |
| Dicamba | ND | ug/L | 0.080 | 0.03) | EPA 8151A | ND | | 1 |
| Dichloroprop | ND | ug/L | 0.50 | 0.012 | EPA 8151A | ND | | 1 |
| Dinoseb | ND | ug/L | 0.20 | 0.040 | EPA 8151A | ND | | 1 |
| 2,4,5-T | ND | ug/L | 0.090 | 0.012 | EPA 8151A | ND | | 1 |
| 2,4,5-TP (Silvex) | ND | ug/L | 0.0) 0 | 0.01- | EPA 8151A | ND | | 1 |
| 2,4-Dichlorophenylacetic acid (Surrogate) | - 95 | % | 30 - 140 (LCL - KCL) | | EPA 8151A | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA 8151A | 08/20/14 | 08/2- /14 00:10 | mk1 | GC-8 | 1 | BXH234) |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

**BCL Sample ID:** 14189I 1.03 | **Client Sample Name:** N14.4, 8/14/2014 3:41:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 20.0 | 0.24 | EPA 8270C | ND | | 1 |
| Acenaphthylene | ND | ug/L | 20.0 | 0.28 | EPA 8270C | ND | | 1 |
| Aldrin | ND | ug/L | 20.0 | 0.35 | EPA 8270C | ND | | 1 |
| Aniline | ND | ug/L | 50.0 | 0.19 | EPA 8270C | ND | | 1 |
| Anthracene | ND | ug/L | 20.0 | 0.30 | EPA 8270C | ND | | 1 |
| Benzidine | ND | ug/L | 20 | 1.1 | EPA 8270C | ND | | 1 |
| Benzo[a]anthracene | ND | ug/L | 20.0 | 0.38 | EPA 8270C | ND | | 1 |
| Benzo[b]fluoranthene | ND | ug/L | 20.0 | 0.41 | EPA 8270C | ND | | 1 |
| Benzo[k]fluoranthene | ND | ug/L | 20.0 | 0.31 | EPA 8270C | ND | | 1 |
| Benzo[a]pyrene | ND | ug/L | 20.0 | 0.20 | EPA 8270C | ND | | 1 |
| Benzo[g,h,i]perylene | ND | ug/L | 20.0 | 0.22 | EPA 8270C | ND | | 1 |
| Benzoic acid | ND | ug/L | 10 | 5.3 | EPA 8270C | ND | | 1 |
| Benzyl alcohol | ND | ug/L | 20.0 | 0.34 | EPA 8270C | ND | | 1 |
| Benzyl butyl phthalate | ND | ug/L | 20.0 | 0.41 | EPA 8270C | ND | | 1 |
| alpha-BHC | ND | ug/L | 20.0 | 0.21 | EPA 8270C | ND | | 1 |
| beta-BHC | ND | ug/L | 20.0 | 0.21 | EPA 8270C | ND | | 1 |
| delta-BHC | ND | ug/L | 20.0 | 0.30 | EPA 8270C | ND | | 1 |
| gamma-BHC (Lindane) | ND | ug/L | 20.0 | 0.22 | EPA 8270C | ND | | 1 |
| bis(2-Chloroethoxy)methane | ND | ug/L | 20.0 | 0.21 | EPA 8270C | ND | | 1 |
| bis(2-Chloroethyl) ether | ND | ug/L | 20.0 | 0.18 | EPA 8270C | ND | | 1 |
| bis(2-Chloroisopropyl)ether | ND | ug/L | 20.0 | 0.30 | EPA 8270C | ND | | 1 |
| bis(2-Ethylhexyl)phthalate | ND | ug/L | 50.0 | 3.0 | EPA 8270C | ND | | 1 |
| 4-Bromophenyl phenyl ether | ND | ug/L | 20.0 | 0.23 | EPA 8270C | ND | | 1 |
| 4-Chloroaniline | ND | ug/L | 20.0 | 0.19 | EPA 8270C | ND | | 1 |
| 2-Chloronaphthalene | ND | ug/L | 20.0 | 0.34 | EPA 8270C | ND | | 1 |
| 4-Chlorophenyl phenyl ether | ND | ug/L | 20.0 | 0.23 | EPA 8270C | ND | | 1 |
| Chrysene | ND | ug/L | 20.0 | 0.13 | EPA 8270C | ND | | 1 |
| 4,4'-DDD | ND | ug/L | 20.0 | 0.48 | EPA 8270C | ND | | 1 |
| 4,4'-DDE | ND | ug/L | 30.0 | 0.41 | EPA 8270C | ND | | 1 |
| 4,4'-DDT | ND | ug/L | 20.0 | 0.43 | EPA 8270C | ND | | 1 |
| Dibenzo[a,h]anthracene | ND | ug/L | 30.0 | 0.21 | EPA 8270C | ND | | 1 |
| Dibenzofuran | ND | ug/L | 20.0 | 0.21 | EPA 8270C | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 20.0 | 0.33 | EPA 8270C | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate 7nvestigaton
Project Number: 2013.0100
Project # anager: Jason Sapp

# Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

**BCL Sample ID:** 14189I 1.03 | **Client Sample Name:** N14.4, 8/14/2014 3:41:00P#

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| 1,3.DichlorobenMene | ND | ug/L | 2ϕ0 | 0ϕ35 | EPA.82) 0C | ND | | 1 |
| 1,4.DichlorobenMene | ND | ug/L | 2ϕ0 | 0ϕ31 | EPA.82) 0C | ND | | 1 |
| 3,3.DichlorobenMidine | ND | ug/L | 10 | 8ϕ2 | EPA.82) 0C | ND | | 1 |
| Dieldrin | ND | ug/L | 3ϕ0 | 0ϕ41 | EPA.82) 0C | ND | | 1 |
| Diethyl phthalate | ND | ug/L | 2ϕ0 | 0ϕ33 | EPA.82) 0C | ND | | 1 |
| Dimethyl phthalate | ND | ug/L | 2ϕ0 | 0ϕ39 | EPA.82) 0C | ND | | 1 |
| Di.n.butyl phthalate | ND | ug/L | 2ϕ0 | 0ϕ39 | EPA.82) 0C | ND | | 1 |
| 2,4.Dinitrotoluene | ND | ug/L | 2ϕ0 | 0ϕ2I | EPA.82) 0C | ND | | 1 |
| 2,I .Dinitrotoluene | ND | ug/L | 2ϕ0 | 0ϕ41 | EPA.82) 0C | ND | | 1 |
| Di.n.octyl phthalate | ND | ug/L | 2ϕ0 | 0ϕ4I | EPA.82) 0C | ND | | 1 |
| 1,2.DiphenylhydraMine | ND | ug/L | 2ϕ0 | 0ϕ34 | EPA.82) 0C | ND | | 1 |
| Endosulfan 7 | ND | ug/L | 10 | 1ϕ) | EPA.82) 0C | ND | | 1 |
| Endosulfan 77 | ND | ug/L | 10 | 1ϕ2 | EPA.82) 0C | ND | | 1 |
| Endosulfan sulfate | ND | ug/L | 3ϕ0 | 0ϕ58 | EPA.82) 0C | ND | | 1 |
| Endrin | ND | ug/L | 2ϕ0 | 1ϕ1 | EPA.82) 0C | ND | | 1 |
| Endrin aldehyde | ND | ug/L | 10 | 0ϕ52 | EPA.82) 0C | ND | | 1 |
| Fluoranthene | ND | ug/L | 2ϕ0 | 0ϕ20 | EPA.82) 0C | ND | | 1 |
| Fluorene | ND | ug/L | 2ϕ0 | 0ϕ28 | EPA.82) 0C | ND | | 1 |
| Heptachlor | ND | ug/L | 2ϕ0 | 0ϕ32 | EPA.82) 0C | ND | | 1 |
| Heptachlor epoxide | ND | ug/L | 2ϕ0 | 0ϕ2) | EPA.82) 0C | ND | | 1 |
| HexachlorobenMene | ND | ug/L | 2ϕ0 | 0ϕ20 | EPA.82) 0C | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 2ϕ0 | 0ϕ24 | EPA.82) 0C | ND | | 1 |
| Hexachlorocyclopentadiene | ND | ug/L | 2ϕ0 | 0ϕ30 | EPA.82) 0C | ND | | 1 |
| Hexachloroethane | ND | ug/L | 2ϕ0 | 0ϕ32 | EPA.82) 0C | ND | | 1 |
| 7ndeno[1,2,3.cd]pyrene | ND | ug/L | 2ϕ0 | 0ϕ2I | EPA.82) 0C | ND | | 1 |
| 7sophorone | ND | ug/L | 2ϕ0 | 0ϕ31 | EPA.82) 0C | ND | | 1 |
| 2.# ethylnaphthalene | ND | ug/L | 2ϕ0 | 0ϕ28 | EPA.82) 0C | ND | | 1 |
| Naphthalene | ND | ug/L | 2ϕ0 | 0ϕ21 | EPA.82) 0C | ND | | 1 |
| 2.Naphthylamine | ND | ug/L | 20 | 4ϕ8 | EPA.82) 0C | ND | | 1 |
| 2.Nitroaniline | ND | ug/L | 2ϕ0 | 0ϕ33 | EPA.82) 0C | ND | | 1 |
| 3.Nitroaniline | ND | ug/L | 2ϕ0 | 0ϕ I | EPA.82) 0C | ND | | 1 |
| 4.Nitroaniline | ND | ug/L | 5ϕ0 | 0ϕ8) | EPA.82) 0C | ND | | 1 |
| NitrobenMene | ND | ug/L | 2ϕ0 | 0ϕ2I | EPA.82) 0C | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate 7nvestigaton
Project Number: 2013.0100
Project # anager: Jason Sapp

# Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

**BCL Sample ID:** 14189I 1.03 | **Client Sample Name:** N14.4, 8/14/2014 3:41:00P#

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| N.Nitrosodimethylamine | ND | ug/L | 2ɸ0 | 0ɸ1 | EPA.82) 0C | ND | | 1 |
| N.Nitrosodi.N.propylamine | ND | ug/L | 2ɸ0 | 1ɸ3 | EPA.82) 0C | ND | | 1 |
| N.Nitrosodiphenylamine | ND | ug/L | 2ɸ0 | 0ɸ44 | EPA.82) 0C | ND | | 1 |
| Phenanthrene | ND | ug/L | 2ɸ0 | 0ɸ20 | EPA.82) 0C | ND | | 1 |
| Pyrene | ND | ug/L | 2ɸ0 | 0ɸ2I | EPA.82) 0C | ND | | 1 |
| 1,2,4.TrichlorobenMene | ND | ug/L | 2ɸ0 | 0ɸ2) | EPA.82) 0C | ND | | 1 |
| 4.Chloro.3.methylphenol | ND | ug/L | 5ɸ0 | 0ɸ40 | EPA.82) 0C | ND | | 1 |
| 2.Chlorophenol | ND | ug/L | 2ɸ0 | 0ɸ3) | EPA.82) 0C | ND | | 1 |
| 2,4.Dichlorophenol | ND | ug/L | 2ɸ0 | 0ɸ43 | EPA.82) 0C | ND | | 1 |
| 2,4.Dimethylphenol | ND | ug/L | 2ɸ0 | 0ɸ20 | EPA.82) 0C | ND | | 1 |
| 4,I .Dinitro.2.methylphenol | ND | ug/L | 10 | 0ɸ34 | EPA.82) 0C | ND | | 1 |
| 2,4.Dinitrophenol | ND | ug/L | 10 | 0ɸ20 | EPA.82) 0C | ND | | 1 |
| 2.# ethylphenol | ND | ug/L | 2ɸ0 | 1ɸ0 | EPA.82) 0C | ND | | 1 |
| 3. & 4.# ethylphenol | ND | ug/L | 2ɸ0 | 1ɸ | EPA.82) 0C | ND | | 1 |
| 2.Nitrophenol | ND | ug/L | 2ɸ0 | 0ɸ28 | EPA.82) 0C | ND | | 1 |
| 4.Nitrophenol | ND | ug/L | 2ɸ0 | 0ɸ3 | EPA.82) 0C | ND | | 1 |
| Pentachlorophenol | ND | ug/L | 10 | 0ɸ9 | EPA.82) 0C | ND | | 1 |
| Phenol | ND | ug/L | 2ɸ0 | 0ɸ20 | EPA.82) 0C | ND | | 1 |
| 2,4,5.Trichlorophenol | ND | ug/L | 5ɸ0 | 0ɸ31 | EPA.82) 0C | ND | | 1 |
| 2,4,I .Trichlorophenol | ND | ug/L | 5ɸ0 | 0ɸ0 | EPA.82) 0C | ND | | 1 |
| 2.Fluorophenol USurrogate( | 4I ɸ5 | % | 30 . 120 | ULCL . KCL( | EPA.82) 0C | | | 1 |
| Phenol.d5 USurrogate( | 31ɸ2 | % | 12 . 110 | ULCL . KCL( | EPA.82) 0C | | | 1 |
| NitrobenMene.d5 USurrogate( | 93ɸ3 | % | I 0 . 130 | ULCL . KCL( | EPA.82) 0C | | | 1 |
| 2.Fluorobiphenyl USurrogate( | ) ) ɸ3 | % | 55 . 125 | ULCL . KCL( | EPA.82) 0C | | | 1 |
| 2,4,I .Tribromophenol USurrogate( | 89ɸ | % | 40 . 150 | ULCL . KCL( | EPA.82) 0C | | | 1 |
| p.Terphenyl.d14 USurrogate( | 85ɸ3 | % | 40 . 150 | ULCL . KCL( | EPA.82) 0C | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.82) 0C | 08/21/14 | 08/2) /14 22:49 | VH1 | # S.B2 | 0ɸ9I 0 | BXH2I 08 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate 7nvestigaton
Project Number: 2013.0100
Project # anager: Jason Sapp

# NDMA (EPA Method 8270C-SIM)

**BCL Sample ID:** 14189I 1.03 | **Client Sample Name:** N14.4, 8/14/2014 3:41:00P#

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| N.Nitrosodimethylamine | ND | ug/L | 0ф010 | 0ф0030 | EPA.82) 0C.S7# ND# A | ND | | 1 |
| Naphthalene.d8 USurrogate( | 8I d | % | I 5 . 142 ULCL . KCL( | | EPA.82) 0C.S7# ND# A | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.82) 0C.S7# ND# A | 08/20/14 | 08/2) /14 00:48 | # - 1 | # S.B4 | 0ф990 | BXH2539 |

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1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 14189I 1.03 | **Client Sample Name:** N14.4, 8/14/2014 3:41:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Dissolved Calcium** | **3.7** | **mg/L** | **0.10** | **0.016** | **EPA-6010B** | ND | | 1 |
| **Dissolved Magnesium** | **0.36** | **mg/L** | **0.050** | **0.019** | **EPA-6010B** | 0.0019 | | 2 |
| **Dissolved Sodium** | **1.2** | **mg/L** | **0.50** | **0.051** | **EPA-6010B** | 0.0014 | | 2 |
| **Dissolved Potassium** | **1.3** | **mg/L** | **1.0** | **0.10** | **EPA-6010B** | ND | | 2 |
| Hydroxide | ND | mg/L | 1.4 | 1.4 | EPA.310.1 | ND | | 3 |
| **Total Alkalinity as CaCO3** | **14** | **mg/L** | **4.1** | **4.1** | **EPA-310.1** | ND | | 3 |
| **Chloride** | **1.2** | **mg/L** | **0.50** | **0.067** | **EPA-300.0** | 0.022 | | 4 |
| **Nitrate as N** | **0.67** | **mg/L** | **0.10** | **0.025** | **EPA-300.0** | ND | | 4 |
| **Sulfate** | **1.6** | **mg/L** | **1.0** | **0.18** | **EPA-300.0** | 0.022 | | 4 |
| **Dissolved Hardness as CaCO3** | **11** | **mg/L** | **0.50** | **0.10** | **Calc** | ND | | 5 |
| **Total Dissolved Solids @ 180 C** | **28** | **mg/L** | **6.7** | **6.7** | **EPA-160.1** | ND | | I |
| **MBAS** | **0.16** | **mg/L** | **0.20** | **0.030** | **EPA-425.1** | ND | **J,A26,S05** | ) |
| **Perchlorate** | **1.3** | **ug/L** | **4.0** | **0.45** | **EPA-314.0** | ND | **J** | 8 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.I 010B | 08/14/14 | 08/25/14 10:21 | ARD | PE.OP1 | 1 | BXH19I ) |
| 2 | EPA.I 010B | 08/14/14 | 08/21/14 22:5I | ARD | PE.OP1 | 1 | BXH19I ) |
| 3 | EPA.310.1 | 08/21/14 | 08/21/14 15:01 | R# L | # ET.1 | 1 | BXH2003 |
| 4 | EPA.300.0 | 08/1I /14 | 08/1I /14 14:5I | LD1 | IC5 | 1 | BXH1594 |
| 5 | Calc | 08/20/14 | 08/29/14 1I :12 | T# S | Calc | 1 | BXH1925 |
| I | EPA.1I 0.1 | 08/21/14 | 08/21/14 13:00 | CAD | # ANKAL | 0.1 I ) | BXH1980 |
| ) | EPA.425.1 | 08/19/14 | 08/19/14 12:00 | J# N | # ANKAL | 2 | BXH1I 9I |
| 8 | EPA.314.0 | 09/09/14 | 09/10/14 11:34 | LD1 | IC I | 1 | BX708I 9 |

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**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Metals Analysis

**BCL Sample ID:** 14189I 1.03 | **Client Sample Name:** N14.4, 8/14/2014 3:41:00PM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Dissolved Antimony** | **7.0** | **ug/L** | **100** | **4.9** | **EPA-6010B** | ND | **J** | 1 |
| Dissolved Arsenic | ND | ug/L | 50 | 9.2 | EPA.I 010B | ND | | 1 |
| **Dissolved Barium** | **10** | **ug/L** | **10** | **3.5** | **EPA-6010B** | ND | | 1 |
| Dissolved Beryllium | ND | ug/L | 10 | 0.50 | EPA.I 010B | ND | | 1 |
| **Dissolved Cadmium** | **5.4** | **ug/L** | **10** | **1.1** | **EPA-6010B** | ND | **J** | 1 |
| Dissolved Chromium | ND | ug/L | 10 | 1.0 | EPA.I 010B | ND | | 1 |
| Dissolved Cobalt | ND | ug/L | 50 | 1.1 | EPA.I 010B | ND | | 1 |
| **Dissolved Copper** | **7.8** | **ug/L** | **10** | **1.0** | **EPA-6010B** | ND | **J** | 1 |
| Dissolved Lead | ND | ug/L | 50 | 3.5 | EPA.I 010B | 5.1 | | 1 |
| Dissolved Mercury | ND | ug/L | 0.20 | 0.033 | EPA.) 4) 0A | ND | | 2 |
| **Dissolved Molybdenum** | **2.2** | **ug/L** | **50** | **1.4** | **EPA-6010B** | ND | **J** | 1 |
| Dissolved Nickel | ND | ug/L | 10 | 2.4 | EPA.I 010B | ND | | 3 |
| Dissolved Selenium | ND | ug/L | 100 | 15 | EPA.I 010B | ND | | 3 |
| Dissolved Silver | ND | ug/L | 10 | 1.2 | EPA.I 010B | ND | | 1 |
| Dissolved Thallium | ND | ug/L | 100 | 10 | EPA.I 010B | ND | | 1 |
| Dissolved Vanadium | ND | ug/L | 10 | 2.2 | EPA.I 010B | ND | | 1 |
| **Dissolved Zinc** | **550** | **ug/L** | **10** | **5.0** | **EPA-6010B** | ND | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.I 010B | 08/14/14 | 08/21/14 22:51 | ARD | PE.OP1 | 1 | BXH19I ) |
| 2 | EPA.) 4) 0A | 08/20/14 | 08/20/14 13:52 | MEV | CETAC1 | 1 | BXH1808 |
| 3 | EPA.I 010B | 08/14/14 | 08/25/14 10:21 | ARD | PE.OP1 | 1 | BXH19I ) |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189I 1.04 | **Client Sample Name:** N1) .B, 8/14/2014 8:25:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA.524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA.524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.2) | EPA.524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA.524.2 | ND | | 1 |
| n.Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| sec.Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| tert.Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA.524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| 2.Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA.524.2 | ND | | 1 |
| 4.Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,2.Dibromo.3.chloropropane | ND | ug/L | 1.0 | 0.44 | EPA.524.2 | ND | | 1 |
| 1,2.Dibromoethane | ND | ug/L | 0.50 | 0.1I | EPA.524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA.524.2 | ND | | 1 |
| 1,2.Dichlorobenzene | ND | ug/L | 0.50 | 0.0) 2 | EPA.524.2 | ND | | 1 |
| 1,3.Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,4.Dichlorobenzene | ND | ug/L | 0.50 | 0.0I 2 | EPA.524.2 | ND | | 1 |
| **Dichlorodifluoromethane** | **2.2** | **ug/L** | **0.50** | **0.099** | **EPA-524.2** | ND | | 1 |
| **1,1-Dichloroethane** | **0.46** | **ug/L** | **0.50** | **0.11** | **EPA-524.2** | ND | **J** | 1 |
| 1,2.Dichloroethane | ND | ug/L | 0.50 | 0.1) | EPA.524.2 | ND | | 1 |
| 1,1.Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| cis.1,2.Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA.524.2 | ND | | 1 |
| trans.1,2.Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,3.Dichloropropane | ND | ug/L | 0.50 | 0.08I | EPA.524.2 | ND | | 1 |
| 2,2.Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,1.Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA.524.2 | ND | | 1 |

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1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418911.04 | **Client Sample Name:** N1).B, 8/14/2014 8:25:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis.1,3.Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| trans.1,3.Dichloropropene | ND | ug/L | 0.50 | 0.09 | EPA.524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA.524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| p.Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| # ethylene chloride | ND | ug/L | 0.50 | 0.48 | EPA.524.2 | ND | | 1 |
| # ethyl t.butyl ether | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.31 | EPA.524.2 | ND | | 1 |
| n.Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.018 | EPA.524.2 | ND | | 1 |
| 1,1,1,2.Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| 1,1,2,2.Tetrachloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| **Tetrachloroethene** | **15** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA.524.2 | ND | | 1 |
| 1,2,3.Trichlorobenzene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| 1,2,4.Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA.524.2 | ND | | 1 |
| 1,1,1.Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| 1,1,2.Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| **Trichloroethene** | **1.0** | **ug/L** | **0.50** | **0.085** | **EPA-524.2** | ND | | 1 |
| **Trichlorofluoromethane** | **3.1** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | **V11** | 1 |
| 1,2,3.Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA.524.2 | ND | | 1 |
| 1,1,2.Trichloro.1,2,2.trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,2,4.Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| 1,3,5.Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.1 | EPA.524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA.524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.30 | EPA.524.2 | ND | | 1 |
| t.Amyl # ethyl ether | ND | ug/L | 0.50 | 0.25 | EPA.524.2 | ND | | 1 |
| t.Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA.524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA.524.2 | ND | | 1 |
| trans.1,4.Dichloro.2.butene | ND | ug/L | 5.0 | 1.4 | EPA.524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189I 1.04 | **Client Sample Name:** N1) .B, 8/14/2014 8:25:00A#

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA.524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.9) | EPA.524.2 | ND | | 1 |
| Ethyl t.butyl ether | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| 2.Hexanone | ND | ug/L | 10 | 3.4 | EPA.524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.) | EPA.524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA.524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.4) | EPA.524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA.524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA.524.2 | ND | | 1 |
| NitrobenMene | ND | ug/L | 30 | 13 | EPA.524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA.524.2 | ND | V01,V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA.524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA.524.2 | ND | | 1 |
| p. & m.Xylenes | ND | ug/L | 0.50 | 0.28 | EPA.524.2 | ND | | 1 |
| o.Xylene | ND | ug/L | 0.50 | 0.082 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloroethane.d4 (Surrogate) | 10) | % | ) 5 . 125 (LCL . KCL) | | EPA.524.2 | | | 1 |
| Toluene.d8 (Surrogate) | 98.3 | % | 80 . 120 (LCL . KCL) | | EPA.524.2 | | | 1 |
| 4.BromofluorobenMene (Surrogate) | 81.3 | % | 80 . 120 (LCL . KCL) | | EPA.524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.524.2 | 08/20/14 | 08/22/14 01:29 | JCC | MS.V14 | 1 | BXH1) 89 |

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| | |
|---|---|
| Geologic Associates<br>1831 Commercenter East<br>San Bernardino, CA 92408 | **Reported:** 09/11/2014 14:11<br>Project: Rialto Perchlorate Investigaton<br>Project Number: 2013.0100<br>Project Manager: Jason Sapp |

# Water Analysis (General Chemistry)

**BCL Sample ID:** 14189I 1.04 | **Client Sample Name:** N1) .B, 8/14/2014 8:25:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Perchlorate | ND | ug/L | 4.0 | 0.45 | EPA.314.0 | ND | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.314.0 | 08/31/14 | 08/31/14 14:41 | OLH | IC1 | 1 | BXH2984 |

Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189I 1.05 | **Client Sample Name:** N1) .C1, 8/14/2014 9:10:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA.524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA.524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.2) | EPA.524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA.524.2 | ND | | 1 |
| n.Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| sec.Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| tert.Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA.524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| 2.Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA.524.2 | ND | | 1 |
| 4.Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,2.Dibromo.3.chloropropane | ND | ug/L | 1.0 | 0.44 | EPA.524.2 | ND | | 1 |
| 1,2.Dibromoethane | ND | ug/L | 0.50 | 0.1I | EPA.524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA.524.2 | ND | | 1 |
| 1,2.Dichlorobenzene | ND | ug/L | 0.50 | 0.0) 2 | EPA.524.2 | ND | | 1 |
| 1,3.Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,4.Dichlorobenzene | ND | ug/L | 0.50 | 0.0I 2 | EPA.524.2 | ND | | 1 |
| **Dichlorodifluoromethane** | **2.7** | **ug/L** | **0.50** | **0.099** | **EPA-524.2** | ND | | 1 |
| 1,1.Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloroethane | ND | ug/L | 0.50 | 0.1) | EPA.524.2 | ND | | 1 |
| 1,1.Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| cis.1,2.Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA.524.2 | ND | | 1 |
| trans.1,2.Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,3.Dichloropropane | ND | ug/L | 0.50 | 0.08I | EPA.524.2 | ND | | 1 |
| 2,2.Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,1.Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA.524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418911.05 | **Client Sample Name:** N1).C1, 8/14/2014 9:10:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis.1,3.Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| trans.1,3.Dichloropropene | ND | ug/L | 0.50 | 0.09 | EPA.524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA.524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| p.Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| # ethylene chloride | ND | ug/L | 0.50 | 0.48 | EPA.524.2 | ND | | 1 |
| # ethyl t.butyl ether | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.31 | EPA.524.2 | ND | | 1 |
| n.Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.018 | EPA.524.2 | ND | | 1 |
| 1,1,1,2.Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| 1,1,2,2.Tetrachloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| **Tetrachloroethene** | **7.6** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA.524.2 | ND | | 1 |
| 1,2,3.Trichlorobenzene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| 1,2,4.Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA.524.2 | ND | | 1 |
| 1,1,1.Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| 1,1,2.Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| **Trichloroethene** | **0.52** | **ug/L** | **0.50** | **0.085** | **EPA-524.2** | ND | | 1 |
| **Trichlorofluoromethane** | **1.5** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | **V11** | 1 |
| 1,2,3.Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA.524.2 | ND | | 1 |
| 1,1,2.Trichloro.1,2,2.trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,2,4.Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| 1,3,5.Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.1 | EPA.524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA.524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.30 | EPA.524.2 | ND | | 1 |
| t.Amyl # ethyl ether | ND | ug/L | 0.50 | 0.25 | EPA.524.2 | ND | | 1 |
| t.Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA.524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA.524.2 | ND | | 1 |
| trans.1,4.Dichloro.2.butene | ND | ug/L | 5.0 | 1.4 | EPA.524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189I 1.05 | **Client Sample Name:** N1) .C1, 8/14/2014 9:10:00A#

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA.524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.9) | EPA.524.2 | ND | | 1 |
| Ethyl t.butyl ether | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| 2.Hexanone | ND | ug/L | 10 | 3.4 | EPA.524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.) | EPA.524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA.524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.4) | EPA.524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA.524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA.524.2 | ND | | 1 |
| NitrobenMene | ND | ug/L | 30 | 13 | EPA.524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA.524.2 | ND | V01,V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA.524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA.524.2 | ND | | 1 |
| p. & m.Xylenes | ND | ug/L | 0.50 | 0.28 | EPA.524.2 | ND | | 1 |
| o.Xylene | ND | ug/L | 0.50 | 0.082 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloroethane.d4 (Surrogate) | 11I | % | ) 5 . 125 (LCL . KCL) | | EPA.524.2 | | | 1 |
| Toluene.d8 (Surrogate) | 102 | % | 80 . 120 (LCL . KCL) | | EPA.524.2 | | | 1 |
| 4.BromofluorobenMene (Surrogate) | 81.3 | % | 80 . 120 (LCL . KCL) | | EPA.524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.524.2 | 08/20/14 | 08/22/14 01:53 | JCC | MS.V14 | 1 | BXH1) 89 |

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| Geologic Associates<br>1831 Commercenter East<br>San Bernardino, CA 92408 | **Reported:** 09/11/2014 14:11<br>Project: Rialto Perchlorate Investigaton<br>Project Number: 2013.0100<br>Project Manager: Jason Sapp |

# Water Analysis (General Chemistry)

**BCL Sample ID:** 14189I 1.05 | **Client Sample Name:** N1) .C1, 8/14/2014 9:10:00A#

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Perchlorate | ND | ug/L | 4.0 | 0.45 | EPA.314.0 | ND | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.314.0 | 08/31/14 | 08/31/14 14:55 | OLH | IC1 | 1 | BXH2984 |

Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189I 1.0I | **Client Sample Name:** N1) .C2, 8/14/2014 10:05:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA.524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA.524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.2) | EPA.524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA.524.2 | ND | | 1 |
| n.Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| sec.Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| tert.Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA.524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| 2.Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA.524.2 | ND | | 1 |
| 4.Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,2.Dibromo.3.chloropropane | ND | ug/L | 1.0 | 0.44 | EPA.524.2 | ND | | 1 |
| 1,2.Dibromoethane | ND | ug/L | 0.50 | 0.1I | EPA.524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA.524.2 | ND | | 1 |
| 1,2.Dichlorobenzene | ND | ug/L | 0.50 | 0.0) 2 | EPA.524.2 | ND | | 1 |
| 1,3.Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,4.Dichlorobenzene | ND | ug/L | 0.50 | 0.0I 2 | EPA.524.2 | ND | | 1 |
| **Dichlorodifluoromethane** | **2.0** | **ug/L** | **0.50** | **0.099** | **EPA-524.2** | ND | | 1 |
| 1,1.Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloroethane | ND | ug/L | 0.50 | 0.1) | EPA.524.2 | ND | | 1 |
| 1,1.Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| cis.1,2.Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA.524.2 | ND | | 1 |
| trans.1,2.Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,3.Dichloropropane | ND | ug/L | 0.50 | 0.08I | EPA.524.2 | ND | | 1 |
| 2,2.Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,1.Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA.524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418911.01 | **Client Sample Name:** N1).C2, 8/14/2014 10:05:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis.1,3.Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| trans.1,3.Dichloropropene | ND | ug/L | 0.50 | 0.09 | EPA.524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA.524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| p.Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| # ethylene chloride | ND | ug/L | 0.50 | 0.48 | EPA.524.2 | ND | | 1 |
| # ethyl t.butyl ether | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.31 | EPA.524.2 | ND | | 1 |
| n.Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.018 | EPA.524.2 | ND | | 1 |
| 1,1,1,2.Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| 1,1,2,2.Tetrachloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| **Tetrachloroethene** | **5.5** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA.524.2 | ND | | 1 |
| 1,2,3.Trichlorobenzene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| 1,2,4.Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA.524.2 | ND | | 1 |
| 1,1,1.Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| 1,1,2.Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| **Trichloroethene** | **0.36** | **ug/L** | **0.50** | **0.085** | **EPA-524.2** | ND | **J** | 1 |
| **Trichlorofluoromethane** | **1.2** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | **V11** | 1 |
| 1,2,3.Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA.524.2 | ND | | 1 |
| 1,1,2.Trichloro.1,2,2.trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,2,4.Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| 1,3,5.Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.1 | EPA.524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA.524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.30 | EPA.524.2 | ND | | 1 |
| t.Amyl # ethyl ether | ND | ug/L | 0.50 | 0.25 | EPA.524.2 | ND | | 1 |
| t.Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA.524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA.524.2 | ND | | 1 |
| trans.1,4.Dichloro.2.butene | ND | ug/L | 5.0 | 1.4 | EPA.524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189I 1.0I | **Client Sample Name:** N1) .C2, 8/14/2014 10:05:00A#

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA.524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.9) | EPA.524.2 | ND | | 1 |
| Ethyl t.butyl ether | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| 2.Hexanone | ND | ug/L | 10 | 3.4 | EPA.524.2 | ND | | 1 |
| # ethacrylonitrile | ND | ug/L | 10 | 1.) | EPA.524.2 | ND | | 1 |
| # ethyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA.524.2 | ND | | 1 |
| # ethyl iodide | ND | ug/L | 2.0 | 0.4) | EPA.524.2 | ND | | 1 |
| # ethyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA.524.2 | ND | | 1 |
| # ethyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA.524.2 | ND | | 1 |
| NitrobenMene | ND | ug/L | 30 | 13 | EPA.524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA.524.2 | ND | V01,V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA.524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA.524.2 | ND | | 1 |
| p. & m.Xylenes | ND | ug/L | 0.50 | 0.28 | EPA.524.2 | ND | | 1 |
| o.Xylene | ND | ug/L | 0.50 | 0.082 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloroethane.d4 USurrogate( | 111 | % | ) 5 . 125 ULCL . KCL( | | EPA.524.2 | | | 1 |
| Toluene.d8 USurrogate( | 99.3 | % | 80 . 120 ULCL . KCL( | | EPA.524.2 | | | 1 |
| 4.BromofluorobenMene USurrogate( | 80.9 | % | 80 . 120 ULCL . KCL( | | EPA.524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.524.2 | 08/20/14 | 08/22/14 02:1I | JCC | # S.V14 | 1 | BXH1) 89 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 14189I 1.0I | **Client Sample Name:** N1) .C2, 8/14/2014 10:05:00A#

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Perchlorate | ND | ug/L | 4.0 | 0.45 | EPA.314.0 | ND | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.314.0 | 08/31/14 | 08/31/14 15:09 | OLH | IC1 | 1 | BXH2984 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189-1.0) | **Client Sample Name:** B.14, 8/14/2014 10:45:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.2) | EPA-524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-524.2 | ND | | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-524.2 | ND | | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-524.2 | ND | V11 | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.0) 2 | EPA-524.2 | ND | | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.0 1 2 | EPA-524.2 | ND | | 1 |
| **Dichlorodifluoromethane** | **0.77** | **ug/L** | **0.50** | **0.099** | **EPA-524.2** | ND | | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.1) | EPA-524.2 | ND | | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.08 1 | EPA-524.2 | ND | | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189-01.0) | **Client Sample Name:** B.14, 8/14/2014 10:45:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.09 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| # ethylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| # ethyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.31 | EPA-524.2 | ND | V11 | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.018 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| **Tetrachloroethene** | **5.1** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| **Trichloroethene** | **9.5** | **ug/L** | **0.50** | **0.085** | **EPA-524.2** | ND | | 1 |
| **Trichlorofluoromethane** | **0.34** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | **J** | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.1 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.30 | EPA-524.2 | ND | | 1 |
| t-Amyl # ethyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189-01.0) | **Client Sample Name:** B.14, 8/14/2014 10:45:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA 524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.09 | EPA 524.2 | ND | | 1 |
| Ethyl t-butyl ether | ND | ug/L | 0.50 | 0.18 | EPA 524.2 | ND | | 1 |
| 2-Hexanone | ND | ug/L | 10 | 3.4 | EPA 524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.0 | EPA 524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA 524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.41 | EPA 524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA 524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA 524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA 524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA 524.2 | ND | V01,V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA 524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA 524.2 | ND | | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA 524.2 | ND | | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA 524.2 | ND | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 111 | % | 75 - 125 (LCL - UCL) | | EPA 524.2 | | | 1 |
| Toluene-d8 (Surrogate) | 101 | % | 80 - 120 (LCL - UCL) | | EPA 524.2 | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 82.1 | % | 80 - 120 (LCL - UCL) | | EPA 524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA 524.2 | 08/20/14 | 08/22/14 12:18 | JCC | MS-V14 | 1 | BXH1-0189 |

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| | |
|---|---|
| Geologic Associates<br>1831 Commercenter East<br>San Bernardino, CA 92408 | **Reported:** 09/11/2014 14:11<br>Project: Rialto Perchlorate Investigaton<br>Project Number: 2013.0100<br>Project Manager: Jason Sapp |

# Water Analysis (General Chemistry)

**BCL Sample ID:** 14189I 1.0) | **Client Sample Name:** B.14, 8/14/2014 10:45:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **0.87** | **ug/L** | **4.0** | **0.45** | **EPA-314.0** | ND | **J** | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.314.0 | 09/08/14 | 09/09/14 00:20 | LD1 | IC1 | 1 | BX10) 2I |

Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189I 1.08 | **Client Sample Name:** B.22, 8/14/2014 11:40:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA.524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA.524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.2) | EPA.524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA.524.2 | ND | | 1 |
| n.Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| sec.Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| tert.Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA.524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| **Chloroform** | **0.39** | **ug/L** | **0.50** | **0.12** | **EPA-524.2** | ND | **J** | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| 2.Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA.524.2 | ND | | 1 |
| 4.Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,2.Dibromo.3.chloropropane | ND | ug/L | 1.0 | 0.44 | EPA.524.2 | ND | V11 | 1 |
| 1,2.Dibromoethane | ND | ug/L | 0.50 | 0.1I | EPA.524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA.524.2 | ND | | 1 |
| 1,2.Dichlorobenzene | ND | ug/L | 0.50 | 0.0) 2 | EPA.524.2 | ND | | 1 |
| 1,3.Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,4.Dichlorobenzene | ND | ug/L | 0.50 | 0.0I 2 | EPA.524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA.524.2 | ND | | 1 |
| 1,1.Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloroethane | ND | ug/L | 0.50 | 0.1) | EPA.524.2 | ND | | 1 |
| 1,1.Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| cis.1,2.Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA.524.2 | ND | | 1 |
| trans.1,2.Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,3.Dichloropropane | ND | ug/L | 0.50 | 0.08I | EPA.524.2 | ND | | 1 |
| 2,2.Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,1.Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA.524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418911.08 | **Client Sample Name:** B.22, 8/14/2014 11:40:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.09 | EPA-524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| # ethylene chloride | ND | ug/L | 0.50 | 0.48 | EPA-524.2 | ND | | 1 |
| # ethyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.31 | EPA-524.2 | ND | V11 | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.018 | EPA-524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| **Tetrachloroethene** | **1.6** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-524.2 | ND | | 1 |
| **Trichloroethene** | **17** | **ug/L** | **0.50** | **0.085** | **EPA-524.2** | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.1 | EPA-524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA-524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.30 | EPA-524.2 | ND | | 1 |
| t-Amyl # ethyl ether | ND | ug/L | 0.50 | 0.25 | EPA-524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA-524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA-524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA-524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189I 1.08 | **Client Sample Name:** B.22, 8/14/2014 11:40:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA.524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.09 | EPA.524.2 | ND | | 1 |
| Ethyl t.butyl ether | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| 2.Hexanone | ND | ug/L | 10 | 3.4 | EPA.524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.0 | EPA.524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA.524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.41 | EPA.524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA.524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA.524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA.524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA.524.2 | ND | V01,V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA.524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA.524.2 | ND | | 1 |
| p. & m.Xylenes | ND | ug/L | 0.50 | 0.28 | EPA.524.2 | ND | | 1 |
| o.Xylene | ND | ug/L | 0.50 | 0.082 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloroethane.d4 (Surrogate) | 110 | % | 75 - 125 | UCL - LCL | EPA.524.2 | | | 1 |
| Toluene.d8 (Surrogate) | 99.5 | % | 80 - 120 | UCL - LCL | EPA.524.2 | | | 1 |
| 4.Bromofluorobenzene (Surrogate) | 8).1 | % | 80 - 120 | UCL - LCL | EPA.524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.524.2 | 08/20/14 | 08/22/14 12:41 | JCC | MS.V14 | 1 | BXH1)89 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

**BCL Sample ID:** 14189I 1.08 | **Client Sample Name:** B.22, 8/14/2014 11:40:00A#

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **1.4** | **ug/L** | **4.0** | **0.45** | **EPA-314.0** | ND | **J** | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.314.0 | 09/08/14 | 09/09/14 01:02 | LD1 | IC1 | 1 | BX10) 2I |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189I 1.09 | **Client Sample Name:** B.23S, 8/14/2014 8:30:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA.524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA.524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.2) | EPA.524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA.524.2 | ND | | 1 |
| n.Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| sec.Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| tert.Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA.524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| 2.Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA.524.2 | ND | | 1 |
| 4.Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,2.Dibromo.3.chloropropane | ND | ug/L | 1.0 | 0.44 | EPA.524.2 | ND | V11 | 1 |
| 1,2.Dibromoethane | ND | ug/L | 0.50 | 0.1I | EPA.524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA.524.2 | ND | | 1 |
| 1,2.Dichlorobenzene | ND | ug/L | 0.50 | 0.0) 2 | EPA.524.2 | ND | | 1 |
| 1,3.Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,4.Dichlorobenzene | ND | ug/L | 0.50 | 0.0I 2 | EPA.524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA.524.2 | ND | | 1 |
| 1,1.Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloroethane | ND | ug/L | 0.50 | 0.1) | EPA.524.2 | ND | | 1 |
| 1,1.Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| cis.1,2.Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA.524.2 | ND | | 1 |
| trans.1,2.Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,3.Dichloropropane | ND | ug/L | 0.50 | 0.08I | EPA.524.2 | ND | | 1 |
| 2,2.Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,1.Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA.524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418911.09 | **Client Sample Name:** B.23S, 8/14/2014 8:30:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis.1,3.Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| trans.1,3.Dichloropropene | ND | ug/L | 0.50 | 0.09 | EPA.524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA.524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| p.Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| Methylene chloride | ND | ug/L | 0.50 | 0.48 | EPA.524.2 | ND | | 1 |
| Methyl t.butyl ether | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.31 | EPA.524.2 | ND | V11 | 1 |
| n.Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.018 | EPA.524.2 | ND | | 1 |
| 1,1,1,2.Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| 1,1,2,2.Tetrachloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| **Tetrachloroethene** | **2.0** | **ug/L** | **0.50** | **0.13** | **EPA-524.2** | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA.524.2 | ND | | 1 |
| 1,2,3.Trichlorobenzene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| 1,2,4.Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA.524.2 | ND | | 1 |
| 1,1,1.Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| 1,1,2.Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| **Trichloroethene** | **0.21** | **ug/L** | **0.50** | **0.085** | **EPA-524.2** | ND | **J** | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,2,3.Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA.524.2 | ND | | 1 |
| 1,1,2.Trichloro.1,2,2.trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,2,4.Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| 1,3,5.Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.1 | EPA.524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA.524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.30 | EPA.524.2 | ND | | 1 |
| t.Amyl methyl ether | ND | ug/L | 0.50 | 0.25 | EPA.524.2 | ND | | 1 |
| t.Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA.524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA.524.2 | ND | | 1 |
| trans.1,4.Dichloro.2.butene | ND | ug/L | 5.0 | 1.4 | EPA.524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189I 1.09 | **Client Sample Name:** B.23S, 8/14/2014 8:30:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA.524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.09 | EPA.524.2 | ND | | 1 |
| Ethyl t.butyl ether | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| 2.Hexanone | ND | ug/L | 10 | 3.4 | EPA.524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.0 | EPA.524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA.524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.14 | EPA.524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA.524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA.524.2 | ND | | 1 |
| NitrobenMene | ND | ug/L | 30 | 13 | EPA.524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA.524.2 | ND | V01,V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA.524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA.524.2 | ND | | 1 |
| p. & m.Xylenes | ND | ug/L | 0.50 | 0.28 | EPA.524.2 | ND | | 1 |
| o.Xylene | ND | ug/L | 0.50 | 0.082 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloroethane.d4 (Surrogate) | 101 | % | 75 - 125 | UCL - LCL | EPA.524.2 | | | 1 |
| Toluene.d8 (Surrogate) | 99.2 | % | 80 - 120 | UCL - LCL | EPA.524.2 | | | 1 |
| 4.BromofluorobenMene (Surrogate) | 83.1 | % | 80 - 120 | UCL - LCL | EPA.524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.524.2 | 08/20/14 | 08/22/14 13:04 | JCC | MS.V14 | 1 | BXH1089 |

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| | |
|---|---|
| Geologic Associates<br>1831 Commercenter East<br>San Bernardino, CA 92408 | **Reported:** 09/11/2014 14:11<br>Project: Rialto Perchlorate Investigaton<br>Project Number: 2013.0100<br>Project Manager: Jason Sapp |

# Water Analysis (General Chemistry)

**BCL Sample ID:** 14189I 1.09 | **Client Sample Name:** B.23S, 8/14/2014 8:30:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Perchlorate | ND | ug/L | 4.0 | 0.45 | EPA.314.0 | ND | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.314.0 | 09/08/14 | 09/09/14 01:15 | LD1 | IC1 | 1 | BX10) 2I |

Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189I 1.10 | **Client Sample Name:** B.23D, 8/14/2014 9:45:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA.524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA.524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.2) | EPA.524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA.524.2 | ND | | 1 |
| n.Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| sec.Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| tert.Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA.524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| 2.Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA.524.2 | ND | | 1 |
| 4.Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,2.Dibromo.3.chloropropane | ND | ug/L | 1.0 | 0.44 | EPA.524.2 | ND | V11 | 1 |
| 1,2.Dibromoethane | ND | ug/L | 0.50 | 0.1I | EPA.524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA.524.2 | ND | | 1 |
| 1,2.Dichlorobenzene | ND | ug/L | 0.50 | 0.0) 2 | EPA.524.2 | ND | | 1 |
| 1,3.Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,4.Dichlorobenzene | ND | ug/L | 0.50 | 0.0I 2 | EPA.524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA.524.2 | ND | | 1 |
| 1,1.Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloroethane | ND | ug/L | 0.50 | 0.1) | EPA.524.2 | ND | | 1 |
| 1,1.Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| cis.1,2.Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA.524.2 | ND | | 1 |
| trans.1,2.Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,3.Dichloropropane | ND | ug/L | 0.50 | 0.08I | EPA.524.2 | ND | | 1 |
| 2,2.Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,1.Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA.524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418911.10 | **Client Sample Name:** B.23D, 8/14/2014 9:45:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis.1,3.Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| trans.1,3.Dichloropropene | ND | ug/L | 0.50 | 0.09 | EPA.524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA.524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| p.Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| # ethylene chloride | ND | ug/L | 0.50 | 0.48 | EPA.524.2 | ND | | 1 |
| # ethyl t.butyl ether | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.31 | EPA.524.2 | ND | V11 | 1 |
| n.Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.018 | EPA.524.2 | ND | | 1 |
| 1,1,1,2.Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| 1,1,2,2.Tetrachloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA.524.2 | ND | | 1 |
| 1,2,3.Trichlorobenzene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| 1,2,4.Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA.524.2 | ND | | 1 |
| 1,1,1.Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| 1,1,2.Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| Trichloroethene | ND | ug/L | 0.50 | 0.085 | EPA.524.2 | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,2,3.Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA.524.2 | ND | | 1 |
| 1,1,2.Trichloro.1,2,2.trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,2,4.Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| 1,3,5.Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.1 | EPA.524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA.524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.30 | EPA.524.2 | ND | | 1 |
| t.Amyl # ethyl ether | ND | ug/L | 0.50 | 0.25 | EPA.524.2 | ND | | 1 |
| t.Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA.524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA.524.2 | ND | | 1 |
| trans.1,4.Dichloro.2.butene | ND | ug/L | 5.0 | 1.4 | EPA.524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189I 1.10 | **Client Sample Name:** B.23D, 8/14/2014 9:45:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA.524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.09 | EPA.524.2 | ND | | 1 |
| Ethyl t.butyl ether | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| 2.Hexanone | ND | ug/L | 10 | 3.4 | EPA.524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.0 | EPA.524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA.524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.41 | EPA.524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA.524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA.524.2 | ND | | 1 |
| NitrobenMene | ND | ug/L | 30 | 13 | EPA.524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA.524.2 | ND | V01,V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA.524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA.524.2 | ND | | 1 |
| p. & m.Xylenes | ND | ug/L | 0.50 | 0.28 | EPA.524.2 | ND | | 1 |
| o.Xylene | ND | ug/L | 0.50 | 0.082 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloroethane.d4 (Surrogate) | 108 | % | 75 - 125 | UCL - LCL | EPA.524.2 | | | 1 |
| Toluene.d8 (Surrogate) | 98.0 | % | 80 - 120 | UCL - LCL | EPA.524.2 | | | 1 |
| 4.BromofluorobenMene (Surrogate) | 8).5 | % | 80 - 120 | UCL - LCL | EPA.524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.524.2 | 08/20/14 | 08/22/14 13:20 | JCC | MS.V14 | 1 | BXH1089 |

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| | |
|---|---|
| Geologic Associates<br>1831 Commercenter East<br>San Bernardino, CA 92408 | **Reported:** 09/11/2014 14:11<br>Project: Rialto Perchlorate Investigaton<br>Project Number: 2013.0100<br>Project Manager: Jason Sapp |

# Water Analysis (General Chemistry)

**BCL Sample ID:** 14189I 1.10 | **Client Sample Name:** B.23D, 8/14/2014 9:45:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Perchlorate | ND | ug/L | 4.0 | 0.45 | EPA.314.0 | ND | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.314.0 | 09/08/14 | 09/09/14 01:29 | LD1 | IC1 | 1 | BX10) 2I |

Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418911.11 | **Client Sample Name:** QCAB, 8/14/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA.524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA.524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.21 | EPA.524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA.524.2 | ND | | 1 |
| n.Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| sec.Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| tert.Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA.524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| 2.Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA.524.2 | ND | | 1 |
| 4.Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,2.Dibromo.3.chloropropane | ND | ug/L | 1.0 | 0.44 | EPA.524.2 | ND | V11 | 1 |
| 1,2.Dibromoethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA.524.2 | ND | | 1 |
| 1,2.Dichlorobenzene | ND | ug/L | 0.50 | 0.0)2 | EPA.524.2 | ND | | 1 |
| 1,3.Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,4.Dichlorobenzene | ND | ug/L | 0.50 | 0.012 | EPA.524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA.524.2 | ND | | 1 |
| 1,1.Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloroethane | ND | ug/L | 0.50 | 0.1) | EPA.524.2 | ND | | 1 |
| 1,1.Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| cis.1,2.Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA.524.2 | ND | | 1 |
| trans.1,2.Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,3.Dichloropropane | ND | ug/L | 0.50 | 0.081 | EPA.524.2 | ND | | 1 |
| 2,2.Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,1.Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA.524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418911.11 | **Client Sample Name:** QCAB, 8/14/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA 524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.09 | EPA 524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA 524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.1 | EPA 524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA 524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA 524.2 | ND | | 1 |
| # ethylene chloride | ND | ug/L | 0.50 | 0.48 | EPA 524.2 | ND | | 1 |
| # ethyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA 524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.31 | EPA 524.2 | ND | V11 | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA 524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.018 | EPA 524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA 524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.1 | EPA 524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA 524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA 524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.11 | EPA 524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA 524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA 524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA 524.2 | ND | | 1 |
| Trichloroethene | ND | ug/L | 0.50 | 0.085 | EPA 524.2 | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA 524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA 524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA 524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA 524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA 524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA 524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.1 | EPA 524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA 524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.30 | EPA 524.2 | ND | | 1 |
| t-Amyl # ethyl ether | ND | ug/L | 0.50 | 0.25 | EPA 524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA 524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA 524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA 524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189I1.11 | **Client Sample Name:** QCAB, 8/14/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA.524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.09 | EPA.524.2 | ND | | 1 |
| Ethyl t.butyl ether | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| 2.Hexanone | ND | ug/L | 10 | 3.4 | EPA.524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.0 | EPA.524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA.524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.41 | EPA.524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA.524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA.524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA.524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA.524.2 | ND | V01,V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA.524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA.524.2 | ND | | 1 |
| p. & m.Xylenes | ND | ug/L | 0.50 | 0.28 | EPA.524.2 | ND | | 1 |
| o.Xylene | ND | ug/L | 0.50 | 0.082 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloroethane.d4 (Surrogate) | 115 | % | 75 - 125 | UCL - LCL | EPA.524.2 | | | 1 |
| Toluene.d8 (Surrogate) | 98.4 | % | 80 - 120 | UCL - LCL | EPA.524.2 | | | 1 |
| 4.Bromofluorobenzene (Surrogate) | 83.0 | % | 80 - 120 | UCL - LCL | EPA.524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.524.2 | 08/20/14 | 08/22/14 13:51 | JCC | MS.V14 | 1 | BXH1089 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189I 1.12 | **Client Sample Name:** QCTB, 8/14/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA.524.2 | ND | | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA.524.2 | ND | | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.2) | EPA.524.2 | ND | | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA.524.2 | ND | | 1 |
| n.Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| sec.Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| tert.Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA.524.2 | ND | | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA.524.2 | ND | | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA.524.2 | ND | | 1 |
| 2.Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA.524.2 | ND | | 1 |
| 4.Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,2.Dibromo.3.chloropropane | ND | ug/L | 1.0 | 0.44 | EPA.524.2 | ND | V11 | 1 |
| 1,2.Dibromoethane | ND | ug/L | 0.50 | 0.1I | EPA.524.2 | ND | | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA.524.2 | ND | | 1 |
| 1,2.Dichlorobenzene | ND | ug/L | 0.50 | 0.0) 2 | EPA.524.2 | ND | | 1 |
| 1,3.Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,4.Dichlorobenzene | ND | ug/L | 0.50 | 0.0I 2 | EPA.524.2 | ND | | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA.524.2 | ND | | 1 |
| 1,1.Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloroethane | ND | ug/L | 0.50 | 0.1) | EPA.524.2 | ND | | 1 |
| 1,1.Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| cis.1,2.Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA.524.2 | ND | | 1 |
| trans.1,2.Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,3.Dichloropropane | ND | ug/L | 0.50 | 0.08I | EPA.524.2 | ND | | 1 |
| 2,2.Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA.524.2 | ND | | 1 |
| 1,1.Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA.524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 1418911.12 | **Client Sample Name:** QCTB, 8/14/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA 524.2 | ND | | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.09 | EPA 524.2 | ND | | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA 524.2 | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.1 | EPA 524.2 | ND | | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA 524.2 | ND | | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA 524.2 | ND | | 1 |
| # ethylene chloride | ND | ug/L | 0.50 | 0.48 | EPA 524.2 | ND | | 1 |
| # ethyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA 524.2 | ND | | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.31 | EPA 524.2 | ND | V11 | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA 524.2 | ND | | 1 |
| Styrene | ND | ug/L | 0.50 | 0.018 | EPA 524.2 | ND | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA 524.2 | ND | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.1 | EPA 524.2 | ND | | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA 524.2 | ND | | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA 524.2 | ND | | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.11 | EPA 524.2 | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA 524.2 | ND | | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA 524.2 | ND | | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA 524.2 | ND | | 1 |
| Trichloroethene | ND | ug/L | 0.50 | 0.085 | EPA 524.2 | ND | | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA 524.2 | ND | | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA 524.2 | ND | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA 524.2 | ND | | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA 524.2 | ND | | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA 524.2 | ND | | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA 524.2 | ND | | 1 |
| Acetone | ND | ug/L | 10 | 4.1 | EPA 524.2 | ND | | 1 |
| Acrylonitrile | ND | ug/L | 5.0 | 1.2 | EPA 524.2 | ND | V01,V11 | 1 |
| Allyl chloride | ND | ug/L | 5.0 | 0.30 | EPA 524.2 | ND | | 1 |
| t-Amyl # ethyl ether | ND | ug/L | 0.50 | 0.25 | EPA 524.2 | ND | | 1 |
| t-Butyl alcohol | ND | ug/L | 10 | 9.4 | EPA 524.2 | ND | | 1 |
| Carbon disulfide | ND | ug/L | 1.0 | 0.38 | EPA 524.2 | ND | | 1 |
| trans-1,4-Dichloro-2-butene | ND | ug/L | 5.0 | 1.4 | EPA 524.2 | ND | | 1 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

**BCL Sample ID:** 14189I 1.12 | **Client Sample Name:** QCTB, 8/14/2014 12:00:00AM

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|
| Diisopropyl ether | ND | ug/L | 0.50 | 0.23 | EPA.524.2 | ND | | 1 |
| Ethyl methacrylate | ND | ug/L | 4.0 | 0.09 | EPA.524.2 | ND | | 1 |
| Ethyl t.butyl ether | ND | ug/L | 0.50 | 0.18 | EPA.524.2 | ND | | 1 |
| 2.Hexanone | ND | ug/L | 10 | 3.4 | EPA.524.2 | ND | | 1 |
| Methacrylonitrile | ND | ug/L | 10 | 1.0 | EPA.524.2 | ND | | 1 |
| Methyl ethyl ketone | ND | ug/L | 10 | 2.5 | EPA.524.2 | ND | | 1 |
| Methyl iodide | ND | ug/L | 2.0 | 0.41 | EPA.524.2 | ND | | 1 |
| Methyl isobutyl ketone | ND | ug/L | 10 | 2.1 | EPA.524.2 | ND | | 1 |
| Methyl methacrylate | ND | ug/L | 5.0 | 1.5 | EPA.524.2 | ND | | 1 |
| Nitrobenzene | ND | ug/L | 30 | 13 | EPA.524.2 | ND | V11 | 1 |
| Pentachloroethane | ND | ug/L | 2.0 | 0.43 | EPA.524.2 | ND | V01,V11 | 1 |
| Propionitrile | ND | ug/L | 20 | 4.2 | EPA.524.2 | ND | | 1 |
| Tetrahydrofuran | ND | ug/L | 20 | 5.2 | EPA.524.2 | ND | | 1 |
| p. & m.Xylenes | ND | ug/L | 0.50 | 0.28 | EPA.524.2 | ND | | 1 |
| o.Xylene | ND | ug/L | 0.50 | 0.082 | EPA.524.2 | ND | | 1 |
| 1,2.Dichloroethane.d4 (Surrogate) | 101 | % | 75 - 125 | UCL - LCL | EPA.524.2 | | | 1 |
| Toluene.d8 (Surrogate) | 99.3 | % | 80 - 120 | UCL - LCL | EPA.524.2 | | | 1 |
| 4.Bromofluorobenzene (Surrogate) | 83.5 | % | 80 - 120 | UCL - LCL | EPA.524.2 | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|---|---|---|---|---|---|---|---|
| 1 | EPA.524.2 | 08/20/14 | 08/22/14 10:44 | JCC | MS.V14 | 1 | BXH1089 |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1789** | | | | | | |
| Benzene | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.083 | |
| Bromobenzene | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.13 | |
| Bromochloromethane | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.24 | |
| Bromodichloromethane | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.14 | |
| Bromoform | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.2) | |
| Bromomethane | BXH1) 89.BL- 1 | ND | ug/L | 1.0 | 0.25 | |
| n.Butylbenzene | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.11 | |
| sec.Butylbenzene | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.15 | |
| tert.Butylbenzene | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.13 | |
| Carbon tetrachloride | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.18 | |
| Chlorobenzene | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.093 | |
| Chloroethane | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.14 | |
| Chloroform | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.12 | |
| Chloromethane | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.14 | |
| 2.Chlorotoluene | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.20 | |
| 4.Chlorotoluene | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.15 | |
| Dibromochloromethane | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.13 | |
| 1,2.Dibromo.3.chloropropane | BXH1) 89.BL- 1 | ND | ug/L | 1.0 | 0.44 | |
| 1,2.Dibromoethane | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.1I | |
| Dibromomethane | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.24 | |
| 1,2.Dichlorobenzene | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.0) 2 | |
| 1,3.Dichlorobenzene | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.15 | |
| 1,4.Dichlorobenzene | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.0I 2 | |
| Dichlorodifluoromethane | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.099 | |
| 1,1.Dichloroethane | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.11 | |
| 1,2.Dichloroethane | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.1) | |
| 1,1.Dichloroethene | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.18 | |
| cis.1,2.Dichloroethene | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.085 | |
| trans.1,2.Dichloroethene | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.15 | |
| 1,2.Dichloropropane | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.13 | |
| 1,3.Dichloropropane | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.08I | |
| 2,2.Dichloropropane | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.13 | |
| 1,1.Dichloropropene | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.085 | |
| cis.1,3.Dichloropropene | BXH1) 89.BL- 1 | ND | ug/L | 0.50 | 0.14 | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1789** | | | | | | |
| trans-1,3-Dichloropropene | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.0109 | |
| Ethylbenzene | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.0098 | |
| Hexachlorobutadiene | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.011 | |
| Isopropylbenzene | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.014 | |
| p-Isopropyltoluene | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.012 | |
| # ethylene chloride | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.048 | |
| # ethyl t-butyl ether | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.011 | |
| Naphthalene | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.031 | |
| n-Propylbenzene | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.011 | |
| Styrene | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.0018 | |
| 1,1,1,2-Tetrachloroethane | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.018 | |
| 1,1,2,2-Tetrachloroethane | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.011 | |
| Tetrachloroethene | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.013 | |
| Toluene | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.0093 | |
| 1,2,3-Trichlorobenzene | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.011 | |
| 1,2,4-Trichlorobenzene | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.019 | |
| 1,1,1-Trichloroethane | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.011 | |
| 1,1,2-Trichloroethane | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.011 | |
| Trichloroethene | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.0085 | |
| Trichlorofluoromethane | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.013 | |
| 1,2,3-Trichloropropane | BXH1089-BL-1 | ND | ug/L | 1.0 | 0.024 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.015 | |
| 1,2,4-Trimethylbenzene | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.012 | |
| 1,3,5-Trimethylbenzene | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.012 | |
| Vinyl chloride | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.012 | |
| Acetone | BXH1089-BL-1 | ND | ug/L | 10 | 4.1 | |
| Acrylonitrile | BXH1089-BL-1 | ND | ug/L | 5.0 | 1.2 | |
| Allyl chloride | BXH1089-BL-1 | ND | ug/L | 5.0 | 0.30 | |
| t-Amyl # ethyl ether | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.025 | |
| t-Butyl alcohol | BXH1089-BL-1 | ND | ug/L | 10 | 9.4 | |
| Carbon disulfide | BXH1089-BL-1 | ND | ug/L | 1.0 | 0.38 | |
| trans-1,4-Dichloro-2-butene | BXH1089-BL-1 | ND | ug/L | 5.0 | 1.4 | |
| Diisopropyl ether | BXH1089-BL-1 | ND | ug/L | 0.50 | 0.023 | |
| Ethyl methacrylate | BXH1089-BL-1 | ND | ug/L | 4.0 | 0.39 | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigation
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1789** | | | | | | |
| Ethyl t.butyl ether | BXH1789-BLK1 | ND | ug/L | 0.50 | 0.018 | |
| 2.Hexanone | BXH1789-BLK1 | ND | ug/L | 10 | 3.4 | |
| Acrylonitrile | BXH1789-BLK1 | ND | ug/L | 10 | 1.9 | |
| Methyl ethyl ketone | BXH1789-BLK1 | ND | ug/L | 10 | 2.5 | |
| Methyl iodide | BXH1789-BLK1 | ND | ug/L | 2.0 | 0.41 | |
| Methyl isobutyl ketone | BXH1789-BLK1 | ND | ug/L | 10 | 2.1 | |
| Methyl methacrylate | BXH1789-BLK1 | ND | ug/L | 5.0 | 1.5 | |
| Nitrobenzene | BXH1789-BLK1 | ND | ug/L | 30 | 13 | |
| Pentachloroethane | BXH1789-BLK1 | ND | ug/L | 2.0 | 0.43 | |
| Propionitrile | BXH1789-BLK1 | ND | ug/L | 20 | 4.2 | |
| Tetrahydrofuran | BXH1789-BLK1 | ND | ug/L | 20 | 5.2 | |
| p. & m.Xylenes | BXH1789-BLK1 | ND | ug/L | 0.50 | 0.28 | |
| o.Xylene | BXH1789-BLK1 | ND | ug/L | 0.50 | 0.082 | |
| **1,2-Dichloroethane-d4 (Surrogate)** | **BXH1789-BLK1** | **110** | % | **75 - 125 (LCL - UCL)** | | |
| **Toluene-d8 (Surrogate)** | **BXH1789-BLK1** | **98.4** | % | **80 - 120 (LCL - UCL)** | | |
| **4-Bromofluorobenzene (Surrogate)** | **BXH1789-BLK1** | **82.6** | % | **80 - 120 (LCL - UCL)** | | |

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1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1789** | | | | | | | | | | |
| Benzene | BXH1789.BS1 | LCS | 24.413 | 25.000 | ug/L | 110 | | 70 - 130 | | |
| Bromodichloromethane | BXH1789.BS1 | LCS | 22.635 | 25.000 | ug/L | 89.4 | | 70 - 130 | | |
| Chlorobenzene | BXH1789.BS1 | LCS | 22.637 | 25.000 | ug/L | 89.5 | | 70 - 130 | | |
| Chloroethane | BXH1789.BS1 | LCS | 31.008 | 25.000 | ug/L | 124 | | 70 - 130 | | |
| 1,4-Dichlorobenzene | BXH1789.BS1 | LCS | 22.015 | 25.000 | ug/L | 88.1 | | 70 - 130 | | |
| 1,1-Dichloroethane | BXH1789.BS1 | LCS | 24.938 | 25.000 | ug/L | 99.8 | | 70 - 130 | | |
| 1,1-Dichloroethene | BXH1789.BS1 | LCS | 25.224 | 25.000 | ug/L | 101 | | 70 - 130 | | |
| Toluene | BXH1789.BS1 | LCS | 23.483 | 25.000 | ug/L | 93.9 | | 70 - 130 | | |
| Trichloroethene | BXH1789.BS1 | LCS | 25.704 | 25.000 | ug/L | 103 | | 70 - 130 | | |
| 1,2-Dichloroethane-d4 (Surrogate) | BXH1789.BS1 | LCS | 9.9800 | 10.000 | ug/L | 99.8 | | 75 - 125 | | |
| Toluene-d8 (Surrogate) | BXH1789.BS1 | LCS | 10.100 | 10.000 | ug/L | 101 | | 80 - 120 | | |
| 4-Bromofluorobenzene (Surrogate) | BXH1789.BS1 | LCS | 10.080 | 10.000 | ug/L | 101 | | 80 - 120 | | |

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1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Volatile Organic Analysis (EPA Method 524.2)

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1789** | Ksed client sample: N | | | | | | | | | | |
| Benzene | # S | 1411132.98 | ND | 30.112 | 25.000 | ug/L | | 120 | | 70 - 130 | |
| | # SD | 1411132.98 | ND | 30.241 | 25.000 | ug/L | 0.4 | 121 | 20 | 70 - 130 | |
| Bromodichloromethane | # S | 1411132.98 | ND | 22.911 | 25.000 | ug/L | | 91.1 | | 70 - 130 | |
| | # SD | 1411132.98 | ND | 22.232 | 25.000 | ug/L | 2.4 | 88.9 | 20 | 70 - 130 | |
| Chlorobenzene | # S | 1411132.98 | ND | 22.098 | 25.000 | ug/L | | 91.2 | | 70 - 130 | |
| | # SD | 1411132.98 | ND | 21.998 | 25.000 | ug/L | 3.1 | 88.0 | 20 | 70 - 130 | |
| **Chloroethane** | # S | **1416132-98** | **ND** | **33.402** | **25.000** | **ug/L** | | **134** | | **70 - 130** | **Q03** |
| | # SD | **1416132-98** | **ND** | **32.907** | **25.000** | **ug/L** | **1.5** | **132** | **20** | **70 - 130** | **Q03** |
| 1,4-Dichlorobenzene | # S | 1411132.98 | ND | 21.055 | 25.000 | ug/L | | 84.0 | | 70 - 130 | |
| | # SD | 1411132.98 | ND | 21.044 | 25.000 | ug/L | 3.3 | 84.2 | 20 | 70 - 130 | |
| 1,1-Dichloroethane | # S | 1411132.98 | ND | 27.491 | 25.000 | ug/L | | 110 | | 70 - 130 | |
| | # SD | 1411132.98 | ND | 27.091 | 25.000 | ug/L | 1.1 | 111 | 20 | 70 - 130 | |
| 1,1-Dichloroethene | # S | 1411132.98 | ND | 21.913 | 25.000 | ug/L | | 108 | | 70 - 130 | |
| | # SD | 1411132.98 | ND | 27.024 | 25.000 | ug/L | 1.2 | 109 | 20 | 70 - 130 | |
| Toluene | # S | 1411132.98 | ND | 24.049 | 25.000 | ug/L | | 99.0 | | 70 - 130 | |
| | # SD | 1411132.98 | ND | 24.510 | 25.000 | ug/L | 0.3 | 98.2 | 20 | 70 - 130 | |
| Trichloroethene | # S | 1411132.98 | ND | 21.953 | 25.000 | ug/L | | 108 | | 70 - 130 | |
| | # SD | 1411132.98 | ND | 21.950 | 25.000 | ug/L | 0.0 | 108 | 20 | 70 - 130 | |
| 1,2-Dichloroethane-d4 (Surrogate) | # S | 1411132.98 | ND | 9.100 | 10.000 | ug/L | | 91.1 | | 75 - 125 | |
| | # SD | 1411132.98 | ND | 9.4500 | 10.000 | ug/L | 2.0 | 94.5 | | 75 - 125 | |
| Toluene-d8 (Surrogate) | # S | 1411132.98 | ND | 10.210 | 10.000 | ug/L | | 103 | | 80 - 120 | |
| | # SD | 1411132.98 | ND | 10.110 | 10.000 | ug/L | 0.9 | 102 | | 80 - 120 | |
| 4-Bromofluorobenzene (Surrogate) | # S | 1411132.98 | ND | 10.090 | 10.000 | ug/L | | 101 | | 80 - 120 | |
| | # SD | 1411132.98 | ND | 9.500 | 10.000 | ug/L | 3.4 | 95.0 | | 80 - 120 | |

Geologic Associates
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San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate 7nvestigaton
Project Number: 2013.0100
Project # anager: Jason Sapp

# Organochlorine Pesticides and PCB's (EPA Method 8080)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH2630** | | | | | | |
| Aldrin | BXH2I 30.BL- 1 | ND | ug/L | 0ф050 | 0ф013 | |
| alpha.BHC | BXH2I 30.BL- 1 | ND | ug/L | 0ф050 | 0ф011 | |
| beta.BHC | BXH2I 30.BL- 1 | ND | ug/L | 0ф050 | 0ф021 | |
| delta.BHC | BXH2I 30.BL- 1 | ND | ug/L | 0ф050 | 0ф014 | |
| gamma.BHC ULindane( | BXH2I 30.BL- 1 | ND | ug/L | 0ф050 | 0ф0094 | |
| Chlordane UTechnical( | BXH2I 30.BL- 1 | ND | ug/L | 0ф50 | 0ф38 | |
| 4,4'.DDD | BXH2I 30.BL- 1 | ND | ug/L | 0ф050 | 0ф01) | |
| 4,4'.DDE | BXH2I 30.BL- 1 | ND | ug/L | 0ф050 | 0ф019 | |
| 4,4'.DDT | BXH2I 30.BL- 1 | ND | ug/L | 0ф050 | 0ф00) I | |
| Dieldrin | BXH2I 30.BL- 1 | ND | ug/L | 0ф050 | 0ф012 | |
| Endosulfan 7 | BXH2I 30.BL- 1 | ND | ug/L | 0ф050 | 0ф01I | |
| Endosulfan 77 | BXH2I 30.BL- 1 | ND | ug/L | 0ф050 | 0ф014 | |
| Endosulfan sulfate | BXH2I 30.BL- 1 | ND | ug/L | 0ф050 | 0ф02I | |
| Endrin | BXH2I 30.BL- 1 | ND | ug/L | 0ф050 | 0ф0082 | |
| Endrin aldehyde | BXH2I 30.BL- 1 | ND | ug/L | 0ф10 | 0ф032 | |
| Heptachlor | BXH2I 30.BL- 1 | ND | ug/L | 0ф050 | 0ф012 | |
| Heptachlor epoxide | BXH2I 30.BL- 1 | ND | ug/L | 0ф050 | 0ф0099 | |
| # ethoxychlor | BXH2I 30.BL- 1 | ND | ug/L | 0ф050 | 0ф011 | |
| Toxaphene | BXH2I 30.BL- 1 | ND | ug/L | 2ф0 | 0ф42 | |
| PCB.101I | BXH2I 30.BL- 1 | ND | ug/L | 0ф20 | 0ф45 | |
| PCB.1221 | BXH2I 30.BL- 1 | ND | ug/L | 0ф20 | 0ф) 0 | |
| PCB.1232 | BXH2I 30.BL- 1 | ND | ug/L | 0ф20 | 0ф81 | |
| PCB.1242 | BXH2I 30.BL- 1 | ND | ug/L | 0ф20 | 0фI 5 | |
| PCB.1248 | BXH2I 30.BL- 1 | ND | ug/L | 0ф20 | 0ф85 | |
| PCB.1254 | BXH2I 30.BL- 1 | ND | ug/L | 0ф20 | 0ф) ) | |
| PCB.12I 0 | BXH2I 30.BL- 1 | ND | ug/L | 0ф20 | 0фI 0 | |
| Total PCB's USummation( | BXH2I 30.BL- 1 | ND | ug/L | 0ф20 | 0ф10 | |
| **TCMX (Surrogate)** | **BXH2630-BLK1** | **54.1** | % | **40 - 140 (LCL - UCL)** | | |
| **Decachlorobiphenyl (Surrogate)** | **BXH2630-BLK1** | **87.9** | % | **40 - 120 (LCL - UCL)** | | |

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San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Organochlorine Pesticides and PCB's (EPA Method 8080)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH2630** | | | | | | | | | | |
| Aldrin | BXH2130.BS1 | LCS | 0.12151 | 0.15000 | ug/L | 81.0 | | 10 - 130 | | |
| gamma-BHC (Lindane) | BXH2130.BS1 | LCS | 0.14429 | 0.15000 | ug/L | 96.2 | | 10 - 130 | | |
| 4,4'-DDT | BXH2130.BS1 | LCS | 0.15438 | 0.15000 | ug/L | 103 | | 10 - 130 | | |
| Dieldrin | BXH2130.BS1 | LCS | 0.15314 | 0.15000 | ug/L | 102 | | 10 - 130 | | |
| Endrin | BXH2130.BS1 | LCS | 0.20214 | 0.15000 | ug/L | 135 | | 10 - 130 | | L01 |
| Heptachlor | BXH2130.BS1 | LCS | 0.12029 | 0.15000 | ug/L | 80.2 | | 10 - 130 | | |
| TCMX (Surrogate) | BXH2130.BS1 | LCS | 0.2033 | 0.30000 | ug/L | 90.1 | | 40 - 140 | | |
| Decachlorobiphenyl (Surrogate) | BXH2130.BS1 | LCS | 0.30310 | 0.35000 | ug/L | 101 | | 40 - 120 | | |

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Project: Rialto Perchlorate 7nvestigaton
Project Number: 2013.0100
Project # anager: Jason Sapp

# Organochlorine Pesticides and PCB's (EPA Method 8080)

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH2630** | Ksed client sample: N | | | | | | | | | | |
| **Aldrin** | # S | **1418901-09** | **ND** | **0.067560** | **0.15000** | **ug/L** | | **45.0** | | **50 - 130** | **Q03** |
| | # SD | **1418901-09** | **ND** | **0.13141** | **0.15000** | **ug/L** | **64.2** | **87.6** | **30** | **50 - 130** | **Q02** |
| gamma.BHC ULindane( | # S | 1418901.09 | ND | 0ɑ12) ) 1 | 0ɑ15000 | ug/L | | 85ɑ1 | | I 0 . 130 | |
| | # SD | 1418901.09 | ND | 0ɑ511I | 0ɑ15000 | ug/L | 1I ɑ3 | 101 | 30 | I 0 . 130 | |
| 4,4'.DDT | # S | 1418901.09 | ND | 0ɑ13598 | 0ɑ15000 | ug/L | | 90ɑ) | | I 0 . 130 | |
| | # SD | 1418901.09 | ND | 0ɑ15) 11 | 0ɑ15000 | ug/L | 14ɑ4 | 105 | 30 | I 0 . 130 | |
| Dieldrin | # S | 1418901.09 | ND | 0ɑ13I ) 2 | 0ɑ15000 | ug/L | | 91ɑ1 | | I 5 . 130 | |
| | # SD | 1418901.09 | ND | 0ɑ15834 | 0ɑ15000 | ug/L | 14ɑ) | 10I | 30 | I 5 . 130 | |
| **Endrin** | # S | **1418901-09** | **ND** | **0.17347** | **0.15000** | **ug/L** | | **116** | | **60 - 130** | |
| | # SD | **1418901-09** | **ND** | **0.21015** | **0.15000** | **ug/L** | **19.1** | **140** | **30** | **60 - 130** | **Q03** |
| **Heptachlor** | # S | **1418901-09** | **ND** | **0.077360** | **0.15000** | **ug/L** | | **51.6** | | **50 - 130** | |
| | # SD | **1418901-09** | **ND** | **0.13235** | **0.15000** | **ug/L** | **52.4** | **88.2** | **30** | **50 - 130** | **Q02** |
| TC# X USurrogate( | # S | 1418901.09 | ND | 0ɑ21553 | 0ɑ30000 | ug/L | | ) 1ɑ3 | | 40 . 140 | |
| | # SD | 1418901.09 | ND | 0ɑ28900 | 0ɑ30000 | ug/L | 29ɑ1 | 9I ɑ3 | | 40 . 140 | |
| Decachlorobiphenyl USurrogate( | # S | 1418901.09 | ND | 0ɑ55) 4 | 0ɑ5000 | ug/L | | 8) ɑ4 | | 40 . 120 | |
| | # SD | 1418901.09 | ND | 0ɑ4I 9) | 0ɑ5000 | ug/L | 13ɑ0 | 99ɑ1 | | 40 . 120 | |

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Project: Rialto Perchlorate 7nvestigaton
Project Number: 2013.0100
Project # anager: Jason Sapp

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141B)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXI0306** | | | | | | |
| AMnphos methyl | BX7030I .BL- 1 | ND | ug/L | 0q20 | 0q055 | |
| Bolstar | BX7030I .BL- 1 | ND | ug/L | 0q20 | 0q055 | |
| Chlorpyrifos | BX7030I .BL- 1 | ND | ug/L | 0q20 | 0q010 | |
| Coumaphos | BX7030I .BL- 1 | ND | ug/L | 0q20 | 0q054 | |
| Demeton O/S | BX7030I .BL- 1 | ND | ug/L | 0q20 | 0q02I | |
| DiaMnon | BX7030I .BL- 1 | ND | ug/L | 0q20 | 0q044 | |
| Dichlorvos | BX7030I .BL- 1 | ND | ug/L | 0q20 | 0q0) 0 | |
| Disulfoton | BX7030I .BL- 1 | ND | ug/L | 0q50 | 0q039 | |
| Ethoprop | BX7030I .BL- 1 | ND | ug/L | 0q20 | 0q025 | |
| Fensulfothion | BX7030I .BL- 1 | ND | ug/L | 0q20 | 0q088 | |
| Fenthion | BX7030I .BL- 1 | ND | ug/L | 0q20 | 0q033 | |
| # erphos | BX7030I .BL- 1 | ND | ug/L | 0q20 | 0q058 | |
| # ethyl parathion | BX7030I .BL- 1 | ND | ug/L | 0q20 | 0q0) 4 | |
| # evinphos | BX7030I .BL- 1 | ND | ug/L | 0q20 | 0q053 | |
| Naled | BX7030I .BL- 1 | ND | ug/L | 0q20 | 0q0) 2 | |
| Phorate | BX7030I .BL- 1 | ND | ug/L | 0q20 | 0q041 | |
| Ronnel UFenchlorphos( | BX7030I .BL- 1 | ND | ug/L | 0q20 | 0q0I ) | |
| Stirophos UTetrachlorvinphos( | BX7030I .BL- 1 | ND | ug/L | 0q20 | 0q04I | |
| Tokuthion UProthiofos( | BX7030I .BL- 1 | ND | ug/L | 0q20 | 0q032 | |
| Trichloronate | BX7030I .BL- 1 | ND | ug/L | 0q20 | 0q038 | |
| **Triphenylphosphate (Surrogate)** | **BXI0306-BLK1** | **94.0** | % | **50 - 140 (LCL - UCL)** | | |

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Project Number: 2013.0100
Project Manager: Jason Sapp

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141B)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXI0306** | | | | | | | | | | |
| Bolstar | BXI0306BS1 | LCS | 0.41500 | 0.80000 | ug/L | 58.1 | | 50 - 130 | | |
| Chlorpyrifos | BXI0306BS1 | LCS | 0.58000 | 0.80000 | ug/L | 72.5 | | 70 - 120 | | |
| Diazinon | BXI0306BS1 | LCS | 0.59500 | 0.80000 | ug/L | 74.4 | | 70 - 130 | | |
| Methyl parathion | BXI0306BS1 | LCS | 0.52000 | 0.80000 | ug/L | 65.0 | | 70 - 120 | | |
| Methyl parathion | BXI0306BS1 | LCS | 0.54000 | 0.80000 | ug/L | 67.5 | | 50 - 120 | | |
| Ronnel (Fenchlorphos) | BXI0306BS1 | LCS | 0.55000 | 0.80000 | ug/L | 68.8 | | 50 - 120 | | |
| Stirophos (Tetrachlorvinphos) | BXI0306BS1 | LCS | 0.62500 | 0.80000 | ug/L | 78.1 | | 50 - 120 | | |
| Triphenylphosphate (Surrogate) | BXI0306BS1 | LCS | 2.0550 | 2.5000 | ug/L | 82.2 | | 50 - 140 | | |

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Project # anager: Jason Sapp

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141B)

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXI0306** | Ksed client sample: N | | | | | | | | | | |
| Bolstar | # S | 1418901.I I | ND | 0c58000 | 0c80000 | ug/L | | ) 2c5 | | I 0 . 120 | |
| | # SD | 1418901.I I | ND | 0c55000 | 0c80000 | ug/L | 5c3 | I 8c3 | 30 | I 0 . 120 | |
| Chlorpyrifos | # S | 1418901.I I | ND | 0c9 9500 | 0c80000 | ug/L | | 8I c9 | | I 0 . 120 | |
| | # SD | 1418901.I I | ND | 0c9 ) 500 | 0c80000 | ug/L | 2c9 | 84c4 | 30 | I 0 . 120 | |
| DiaMinon | # S | 1418901.I I | ND | 0c) 3500 | 0c80000 | ug/L | | 91c9 | | I 0 . 130 | |
| | # SD | 1418901.I I | ND | 0c) 1500 | 0c80000 | ug/L | 2c3 | 89c4 | 30 | I 0 . 130 | |
| # ethyl parathion | # S | 1418901.I I | ND | 0c9 3500 | 0c80000 | ug/L | | ) 9c4 | | I 0 . 120 | |
| | # SD | 1418901.I I | ND | 0c9 1500 | 0c80000 | ug/L | 3c2 | ) I c9 | 30 | I 0 . 120 | |
| # evinphos | # S | 1418901.I I | ND | 0c9 4500 | 0c80000 | ug/L | | 80c9 | | 50 . 120 | |
| | # SD | 1418901.I I | ND | 0c9 2500 | 0c80000 | ug/L | 3c1 | ) 8c1 | 30 | 50 . 120 | |
| Ronnel UFenchlorphos( | # S | 1418901.I I | ND | 0c9 I 500 | 0c80000 | ug/L | | 83c1 | | 50 . 120 | |
| | # SD | 1418901.I I | ND | 0c9 4500 | 0c80000 | ug/L | 3c1 | 80c9 | 30 | 50 . 120 | |
| Stirophos UTetrachlorvinphos( | # S | 1418901.I I | ND | 0c) 8000 | 0c80000 | ug/L | | 9) c5 | | 50 . 120 | |
| | # SD | 1418901.I I | ND | 0c) 4500 | 0c80000 | ug/L | 4c9 | 93c1 | 30 | 50 . 120 | |
| Triphenylphosphate USurrogate( | # S | 1418901.I I | ND | 2c4500 | 2c5000 | ug/L | | 98c0 | | 50 . 140 | |
| | # SD | 1418901.I I | ND | 2c8500 | 2c5000 | ug/L | 4c2 | 94c0 | | 50 . 140 | |

| | |
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# Chlorinated Herbicides (EPA Method 8151A)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH2347** | | | | | | |
| 2,4.D | BXH234) .BL- 1 | ND | ug/L | 0q40 | 0q0I 5 | |
| 2,4.DB | BXH234) .BL- 1 | ND | ug/L | 3q0 | 0q32 | |
| Dalapon | BXH234) .BL- 1 | ND | ug/L | 10 | 2q4 | |
| Dicamba | BXH234) .BL- 1 | ND | ug/L | 0q080 | 0q03) | |
| Dichloroprop | BXH234) .BL- 1 | ND | ug/L | 0q50 | 0q012 | |
| Dinoseb | BXH234) .BL- 1 | ND | ug/L | 0q20 | 0q040 | |
| 2,4,5.T | BXH234) .BL- 1 | ND | ug/L | 0q090 | 0q012 | |
| 2,4,5.TP USilvex( | BXH234) .BL- 1 | ND | ug/L | 0q0) 0 | 0q01I | |
| **2,4-Dichlorophenylacetic acid (Surrogate)** | **BXH2347-BLK1** | **72.8** | % | **30 - 140 (LCL - UCL)** | | |

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Project Number: 2013.0100
Project # anager: Jason Sapp

# Chlorinated Herbicides (EPA Method 8151A)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH2347** | | | | | | | | | | |
| 2,4.D | BXH234) .BS1 | LCS | 2c3I 00 | 2c4000 | ug/L | 98c3 | | I 0 . 130 | | |
| 2,4.DB | BXH234) .BS1 | LCS | 5c9200 | 5c4000 | ug/L | 110 | | I 0 . 130 | | |
| Dicamba | BXH234) .BS1 | LCS | 0c59000 | 0c1 0000 | ug/L | 98c3 | | 50 . 120 | | |
| Dichloroprop | BXH234) .BS1 | LCS | 2c1) 00 | 2c4000 | ug/L | 90c4 | | 50 . 120 | | |
| Dinoseb | BXH234) .BS1 | LCS | 0c9 9000 | 1c2000 | ug/L | I 5c3 | | 40 . 120 | | |
| 2,4,5.T | BXH234) .BS1 | LCS | 0c1 4000 | 0c1 0000 | ug/L | 10) | | I 0 . 130 | | |
| 2,4,5.TP US ilvex( | BXH234) .BS1 | LCS | 0c51000 | 0c1 0000 | ug/L | 85c0 | | 50 . 130 | | |
| 2,4.Dichlorophenylacetic acid US urrogate( | BXH234) .BS1 | LCS | 2c9400 | 4c0000 | ug/L | ) 3c5 | | 30 . 140 | | |

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Project: Rialto Perchlorate 7nvestigaton
Project Number: 2013.0100
Project # anager: Jason Sapp

# Chlorinated Herbicides (EPA Method 8151A)

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH2347** | Ksed client sample: N | | | | | | | | | | |
| 2,4.D | # S | 141I 132.80 | ND | 2q4400 | 2q4000 | ug/L | | 102 | | 50 . 130 | |
| | # SD | 141I 132.80 | ND | 2q3) 00 | 2q4000 | ug/L | 2q9 | 98q3 | 30 | 50 . 130 | |
| 2,4.DB | # S | 141I 132.80 | ND | I q0300 | 5q4000 | ug/L | | 112 | | I 0 . 130 | |
| | # SD | 141I 132.80 | ND | 5q I 00 | 5q4000 | ug/L | I q3 | 105 | 30 | I 0 . 130 | |
| **Dicamba** | # S | **1416132-80** | **ND** | **0.61000** | **0.60000** | **ug/L** | | **102** | | **50 - 120** | |
| | # SD | **1416132-80** | **ND** | **0.44000** | **0.60000** | **ug/L** | **32.4** | **73.3** | **30** | **50 - 120** | **Q02** |
| Dichloroprop | # S | 141I 132.80 | ND | 2q1I 00 | 2q4000 | ug/L | | 90q0 | | 50 . 120 | |
| | # SD | 141I 132.80 | ND | 2q2100 | 2q4000 | ug/L | 2q3 | 92q1 | 30 | 50 . 120 | |
| Dinoseb | # S | 141I 132.80 | ND | 0q3) 000 | 1q2000 | ug/L | | ) 2q5 | | 40 . 120 | |
| | # SD | 141I 132.80 | ND | 1q0I 00 | 1q2000 | ug/L | 19q) | 88q3 | 30 | 40 . 120 | |
| 2,4,5.T | # S | 141I 132.80 | ND | 0q I 5000 | 0q I 0000 | ug/L | | 108 | | I 0 . 130 | |
| | # SD | 141I 132.80 | ND | 0q5) 000 | 0q I 0000 | ug/L | 13q1 | 95q0 | 30 | I 0 . 130 | |
| 2,4,5.TP USilvex( | # S | 141I 132.80 | ND | 0q51000 | 0q I 0000 | ug/L | | 85q0 | | 50 . 130 | |
| | # SD | 141I 132.80 | ND | 0q53000 | 0q I 0000 | ug/L | 3q8 | 88q3 | 30 | 50 . 130 | |
| 2,4.Dichlorophenylacetic acid USurrogate | # S | 141I 132.80 | ND | 3q0100 | 4q0000 | ug/L | | ) 5q2 | | 30 . 140 | |
| | # SD | 141I 132.80 | ND | 2q5500 | 4q0000 | ug/L | 1I q5 | I 3q8 | | 30 . 140 | |

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**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH2608** | | | | | | |
| Acenaphthene | BXH2I08.BL-1 | ND | ug/L | 20 | 0.24 | |
| Acenaphthylene | BXH2I08.BL-1 | ND | ug/L | 20 | 0.28 | |
| Aldrin | BXH2I08.BL-1 | ND | ug/L | 20 | 0.35 | |
| Aniline | BXH2I08.BL-1 | ND | ug/L | 50 | 0.19 | |
| Anthracene | BXH2I08.BL-1 | ND | ug/L | 20 | 0.30 | |
| Benzidine | BXH2I08.BL-1 | ND | ug/L | 20 | 1.0 | |
| Benzo[a]anthracene | BXH2I08.BL-1 | ND | ug/L | 20 | 0.38 | |
| Benzo[b]fluoranthene | BXH2I08.BL-1 | ND | ug/L | 20 | 0.41 | |
| Benzo[k]fluoranthene | BXH2I08.BL-1 | ND | ug/L | 20 | 0.31 | |
| Benzo[a]pyrene | BXH2I08.BL-1 | ND | ug/L | 20 | 0.20 | |
| Benzo[g,h,i]perylene | BXH2I08.BL-1 | ND | ug/L | 20 | 0.22 | |
| Benzoic acid | BXH2I08.BL-1 | ND | ug/L | 10 | 5.3 | |
| Benzyl alcohol | BXH2I08.BL-1 | ND | ug/L | 20 | 0.34 | |
| Benzyl butyl phthalate | BXH2I08.BL-1 | ND | ug/L | 20 | 0.41 | |
| alpha-BHC | BXH2I08.BL-1 | ND | ug/L | 20 | 0.21 | |
| beta-BHC | BXH2I08.BL-1 | ND | ug/L | 20 | 0.21 | |
| delta-BHC | BXH2I08.BL-1 | ND | ug/L | 20 | 0.30 | |
| gamma-BHC (Lindane) | BXH2I08.BL-1 | ND | ug/L | 20 | 0.22 | |
| bis(2-Chloroethoxy)methane | BXH2I08.BL-1 | ND | ug/L | 20 | 0.21 | |
| bis(2-Chloroethyl) ether | BXH2I08.BL-1 | ND | ug/L | 20 | 0.18 | |
| bis(2-Chloroisopropyl)ether | BXH2I08.BL-1 | ND | ug/L | 20 | 0.30 | |
| bis(2-Ethylhexyl)phthalate | BXH2I08.BL-1 | ND | ug/L | 50 | 3.0 | |
| 4-Bromophenyl phenyl ether | BXH2I08.BL-1 | ND | ug/L | 20 | 0.23 | |
| 4-Chloroaniline | BXH2I08.BL-1 | ND | ug/L | 20 | 0.19 | |
| 2-Chloronaphthalene | BXH2I08.BL-1 | ND | ug/L | 20 | 0.34 | |
| 4-Chlorophenyl phenyl ether | BXH2I08.BL-1 | ND | ug/L | 20 | 0.23 | |
| Chrysene | BXH2I08.BL-1 | ND | ug/L | 20 | 0.13 | |
| 4,4'-DDD | BXH2I08.BL-1 | ND | ug/L | 20 | 0.48 | |
| 4,4'-DDE | BXH2I08.BL-1 | ND | ug/L | 30 | 0.41 | |
| 4,4'-DDT | BXH2I08.BL-1 | ND | ug/L | 20 | 0.43 | |
| Dibenzo[a,h]anthracene | BXH2I08.BL-1 | ND | ug/L | 30 | 0.21 | |
| Dibenzofuran | BXH2I08.BL-1 | ND | ug/L | 20 | 0.21 | |
| 1,2-Dichlorobenzene | BXH2I08.BL-1 | ND | ug/L | 20 | 0.33 | |
| 1,3-Dichlorobenzene | BXH2I08.BL-1 | ND | ug/L | 20 | 0.35 | |

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**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH2608** | | | | | | |
| 1,4-Dichlorobenzene | BXH2I08-BL-1 | ND | ug/L | 20 | 0.31 | |
| 3,3-Dichlorobenzidine | BXH2I08-BL-1 | ND | ug/L | 10 | 8.2 | |
| Dieldrin | BXH2I08-BL-1 | ND | ug/L | 30 | 0.41 | |
| Diethyl phthalate | BXH2I08-BL-1 | ND | ug/L | 20 | 0.33 | |
| Dimethyl phthalate | BXH2I08-BL-1 | ND | ug/L | 20 | 0.39 | |
| Di-n-butyl phthalate | BXH2I08-BL-1 | ND | ug/L | 20 | 0.39 | |
| 2,4-Dinitrotoluene | BXH2I08-BL-1 | ND | ug/L | 20 | 0.21 | |
| 2,6-Dinitrotoluene | BXH2I08-BL-1 | ND | ug/L | 20 | 0.41 | |
| Di-n-octyl phthalate | BXH2I08-BL-1 | ND | ug/L | 20 | 0.41 | |
| 1,2-Diphenylhydrazine | BXH2I08-BL-1 | ND | ug/L | 20 | 0.34 | |
| Endosulfan I | BXH2I08-BL-1 | ND | ug/L | 10 | 1.0 | |
| Endosulfan II | BXH2I08-BL-1 | ND | ug/L | 10 | 1.2 | |
| Endosulfan sulfate | BXH2I08-BL-1 | ND | ug/L | 30 | 0.58 | |
| Endrin | BXH2I08-BL-1 | ND | ug/L | 20 | 1.1 | |
| Endrin aldehyde | BXH2I08-BL-1 | ND | ug/L | 10 | 0.52 | |
| Fluoranthene | BXH2I08-BL-1 | ND | ug/L | 20 | 0.20 | |
| Fluorene | BXH2I08-BL-1 | ND | ug/L | 20 | 0.28 | |
| Heptachlor | BXH2I08-BL-1 | ND | ug/L | 20 | 0.32 | |
| Heptachlor epoxide | BXH2I08-BL-1 | ND | ug/L | 20 | 0.2) | |
| Hexachlorobenzene | BXH2I08-BL-1 | ND | ug/L | 20 | 0.20 | |
| Hexachlorobutadiene | BXH2I08-BL-1 | ND | ug/L | 20 | 0.24 | |
| Hexachlorocyclopentadiene | BXH2I08-BL-1 | ND | ug/L | 20 | 0.30 | |
| Hexachloroethane | BXH2I08-BL-1 | ND | ug/L | 20 | 0.32 | |
| Indeno[1,2,3-cd]pyrene | BXH2I08-BL-1 | ND | ug/L | 20 | 0.21 | |
| Isophorone | BXH2I08-BL-1 | ND | ug/L | 20 | 0.31 | |
| 2-# ethylnaphthalene | BXH2I08-BL-1 | ND | ug/L | 20 | 0.28 | |
| Naphthalene | BXH2I08-BL-1 | ND | ug/L | 20 | 0.21 | |
| 2-Naphthylamine | BXH2I08-BL-1 | ND | ug/L | 20 | 4.3 | |
| 2-Nitroaniline | BXH2I08-BL-1 | ND | ug/L | 20 | 0.33 | |
| 3-Nitroaniline | BXH2I08-BL-1 | ND | ug/L | 20 | 0.6 I | |
| 4-Nitroaniline | BXH2I08-BL-1 | ND | ug/L | 50 | 0.3) | |
| Nitrobenzene | BXH2I08-BL-1 | ND | ug/L | 20 | 0.21 | |
| N-Nitrosodimethylamine | BXH2I08-BL-1 | ND | ug/L | 20 | 0.6 1 | |
| N-Nitrosodi-N-propylamine | BXH2I08-BL-1 | ND | ug/L | 20 | 1.3 | |

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| | |
|---|---|
| Geologic Associates<br>1831 Commercenter East<br>San Bernardino, CA 92408 | **Reported:** 09/11/2014 14:11<br>Project: Rialto Perchlorate Investigaton<br>Project Number: 2013.0100<br>Project Manager: Jason Sapp |

# Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH2608** | | | | | | |
| N.Nitrosodiphenylamine | BXH2I 08.BL- 1 | ND | ug/L | 20.0 | 0.44 | |
| Phenanthrene | BXH2I 08.BL- 1 | ND | ug/L | 20.0 | 0.20 | |
| Pyrene | BXH2I 08.BL- 1 | ND | ug/L | 20.0 | 0.21 | |
| 1,2,4.TrichlorobenZene | BXH2I 08.BL- 1 | ND | ug/L | 20.0 | 0.22 | |
| 4.Chloro.3.methylphenol | BXH2I 08.BL- 1 | ND | ug/L | 50.0 | 0.40 | |
| 2.Chlorophenol | BXH2I 08.BL- 1 | ND | ug/L | 20.0 | 0.33 | |
| 2,4.Dichlorophenol | BXH2I 08.BL- 1 | ND | ug/L | 20.0 | 0.43 | |
| 2,4.Dimethylphenol | BXH2I 08.BL- 1 | ND | ug/L | 20.0 | 0.20 | |
| 4,6.Dinitro.2.methylphenol | BXH2I 08.BL- 1 | ND | ug/L | 10 | 0.34 | |
| 2,4.Dinitrophenol | BXH2I 08.BL- 1 | ND | ug/L | 10 | 0.20 | |
| 2.Methylphenol | BXH2I 08.BL- 1 | ND | ug/L | 20.0 | 1.0 | |
| 3. & 4.Methylphenol | BXH2I 08.BL- 1 | ND | ug/L | 20.0 | 1.6 | |
| 2.Nitrophenol | BXH2I 08.BL- 1 | ND | ug/L | 20.0 | 0.28 | |
| 4.Nitrophenol | BXH2I 08.BL- 1 | ND | ug/L | 20.0 | 0.93 | |
| Pentachlorophenol | BXH2I 08.BL- 1 | ND | ug/L | 10 | 0.69 | |
| Phenol | BXH2I 08.BL- 1 | ND | ug/L | 20.0 | 0.20 | |
| 2,4,5.Trichlorophenol | BXH2I 08.BL- 1 | ND | ug/L | 50.0 | 0.31 | |
| 2,4,6.Trichlorophenol | BXH2I 08.BL- 1 | ND | ug/L | 50.0 | 0.60 | |
| **2-Fluorophenol (Surrogate)** | **BXH2608-BLK1** | **55.6** | % | **30 - 120 (LCL - UCL)** | | |
| **Phenol-d5 (Surrogate)** | **BXH2608-BLK1** | **40.9** | % | **12 - 110 (LCL - UCL)** | | |
| **Nitrobenzene-d5 (Surrogate)** | **BXH2608-BLK1** | **95.9** | % | **60 - 130 (LCL - UCL)** | | |
| **2-Fluorobiphenyl (Surrogate)** | **BXH2608-BLK1** | **78.4** | % | **55 - 125 (LCL - UCL)** | | |
| **2,4,6-Tribromophenol (Surrogate)** | **BXH2608-BLK1** | **81.8** | % | **40 - 150 (LCL - UCL)** | | |
| **p-Terphenyl-d14 (Surrogate)** | **BXH2608-BLK1** | **86.6** | % | **40 - 150 (LCL - UCL)** | | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH2608** | | | | | | | | | | |
| Acenaphthene | BXH2I08.BS1 | LCS | 39.290 | 50.000 | ug/L | 78.6 | | 50 - 120 | | |
| 1,4-DichlorobenZene | BXH2I08.BS1 | LCS | 35.70 | 50.000 | ug/L | 70.1 | | 50 - 120 | | |
| 2,4-Dinitrotoluene | BXH2I08.BS1 | LCS | 37.140 | 50.000 | ug/L | 74.3 | | 50 - 120 | | |
| HexachlorobenZene | BXH2I08.BS1 | LCS | 34.70 | 50.000 | ug/L | 69.5 | | 10 - 120 | | |
| Hexachlorobutadiene | BXH2I08.BS1 | LCS | 24.010 | 50.000 | ug/L | 48.0 | | 40 - 110 | | |
| Hexachloroethane | BXH2I08.BS1 | LCS | 22.810 | 50.000 | ug/L | 45.6 | | 40 - 120 | | |
| NitrobenZene | BXH2I08.BS1 | LCS | 31.810 | 50.000 | ug/L | 63.7 | | 50 - 120 | | |
| N-Nitrosodi-N-propylamine | BXH2I08.BS1 | LCS | 42.480 | 50.000 | ug/L | 85.0 | | 50 - 120 | | |
| Pyrene | BXH2I08.BS1 | LCS | 41.410 | 50.000 | ug/L | 92.9 | | 40 - 140 | | |
| 1,2,4-TrichlorobenZene | BXH2I08.BS1 | LCS | 31.810 | 50.000 | ug/L | 62.7 | | 45 - 120 | | |
| 4-Chloro-3-methylphenol | BXH2I08.BS1 | LCS | 48.110 | 50.000 | ug/L | 96.8 | | 50 - 120 | | |
| 2-Chlorophenol | BXH2I08.BS1 | LCS | 40.040 | 50.000 | ug/L | 80.1 | | 50 - 120 | | |
| 2-# ethylphenol | BXH2I08.BS1 | LCS | 41.910 | 50.000 | ug/L | 83.9 | | 40 - 110 | | |
| 3- & 4-# ethylphenol | BXH2I08.BS1 | LCS | 75.880 | 100.00 | ug/L | 75.9 | | 40 - 110 | | |
| 4-Nitrophenol | BXH2I08.BS1 | LCS | 23.280 | 50.000 | ug/L | 41.6 | | 10 - 110 | | |
| Pentachlorophenol | BXH2I08.BS1 | LCS | 29.810 | 50.000 | ug/L | 58.6 | | 30 - 120 | | |
| Phenol | BXH2I08.BS1 | LCS | 22.690 | 50.000 | ug/L | 45.4 | | 20 - 110 | | |
| 2,4,6-Trichlorophenol | BXH2I08.BS1 | LCS | 44.110 | 50.000 | ug/L | 88.2 | | 54 - 120 | | |
| 2-Fluorophenol (Surrogate) | BXH2I08.BS1 | LCS | 43.830 | 80.000 | ug/L | 54.8 | | 30 - 120 | | |
| Phenol-d5 (Surrogate) | BXH2I08.BS1 | LCS | 32.580 | 80.000 | ug/L | 40.7 | | 12 - 110 | | |
| NitrobenZene-d5 (Surrogate) | BXH2I08.BS1 | LCS | 79.830 | 80.000 | ug/L | 81.0 | | 10 - 130 | | |
| 2-Fluorobiphenyl (Surrogate) | BXH2I08.BS1 | LCS | 58.040 | 80.000 | ug/L | 72.6 | | 55 - 125 | | |
| 2,4,6-Tribromophenol (Surrogate) | BXH2I08.BS1 | LCS | 64.450 | 80.000 | ug/L | 80.6 | | 40 - 150 | | |
| p-Terphenyl-d14 (Surrogate) | BXH2I08.BS1 | LCS | 31.890 | 40.000 | ug/L | 79.7 | | 40 - 150 | | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate 7nvestigaton
Project Number: 2013.0100
Project # anager: Jason Sapp

# Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH2608** | Ksed client sample: N | | | | | | | | | | |
| Acenaphthene | # S | 141I 132.I 8 | ND | 38c5) 0 | 50c000 | ug/L | | ) ) c1 | | 50 . 120 | |
| | # SD | 141I 132.I 8 | ND | 42c2) 5 | 50c000 | ug/L | 9c2 | 84c1 | 30 | 50 . 120 | |
| 1,4.DichlorobenMene | # S | 141I 132.I 8 | ND | 35c5I 1 | 50c000 | ug/L | | ) 1c1 | | 4) . 120 | |
| | # SD | 141I 132.I 8 | ND | 3I c35I | 50c000 | ug/L | 2c2 | ) 2c) | 30 | 4) . 120 | |
| 2,4.Dinitrotoluene | # S | 141I 132.I 8 | ND | 39c452 | 50c000 | ug/L | | ) 8c9 | | 50 . 130 | |
| | # SD | 141I 132.I 8 | ND | 40c442 | 50c000 | ug/L | 2c5 | 80c9 | 30 | 50 . 130 | |
| HexachlorobenMene | # S | 141I 132.I 8 | ND | 33c412 | 50c000 | ug/L | | I I c3 | | I 2 . 120 | |
| | # SD | 141I 132.I 8 | ND | 3I c2I 2 | 50c000 | ug/L | 8c2 | ) 2c5 | 30 | I 2 . 120 | |
| Hexachlorobutadiene | # S | 141I 132.I 8 | ND | 24c522 | 50c000 | ug/L | | 49c0 | | 40 . 110 | |
| | # SD | 141I 132.I 8 | ND | 2I c3) 2 | 50c000 | ug/L | ) c3 | 52c) | 30 | 40 . 110 | |
| Hexachloroethane | # S | 141I 132.I 8 | ND | 23c4) 3 | 50c000 | ug/L | | 4I c9 | | 40 . 120 | |
| | # SD | 141I 132.I 8 | ND | 25c32) | 50c000 | ug/L | ) c | 50c) | 30 | 40 . 120 | |
| NitrobenMene | # S | 141I 132.I 8 | ND | 3I c4I 2 | 50c000 | ug/L | | ) 2c9 | | 50 . 120 | |
| | # SD | 141I 132.I 8 | ND | 3) c183 | 50c000 | ug/L | 2c0 | ) 4c4 | 30 | 50 . 120 | |
| N.Nitrosodi.N.propylamine | # S | 141I 132.I 8 | ND | 43c540 | 50c000 | ug/L | | 8) c1 | | 50 . 120 | |
| | # SD | 141I 132.I 8 | ND | 43c94) | 50c000 | ug/L | 0c9 | 8) c9 | 30 | 50 . 120 | |
| Pyrene | # S | 141I 132.I 8 | ND | 43c) 18 | 50c000 | ug/L | | 8) c4 | | 40 . 140 | |
| | # SD | 141I 132.I 8 | ND | 48c184 | 50c000 | ug/L | 9c) | 9I c4 | 30 | 40 . 140 | |
| 1,2,4.TrichlorobenMene | # S | 141I 132.I 8 | ND | 31c324 | 50c000 | ug/L | | I 2c1 | | 43 . 120 | |
| | # SD | 141I 132.I 8 | ND | 32c1 04 | 50c000 | ug/L | 4c0 | I 5c2 | 30 | 43 . 120 | |
| 4.Chloro.3.methylphenol | # S | 141I 132.I 8 | ND | 50c312 | 50c000 | ug/L | | 101 | | 50 . 120 | |
| | # SD | 141I 132.I 8 | ND | 51c214 | 50c000 | ug/L | 1c3 | 102 | 30 | 50 . 120 | |
| 2.Chlorophenol | # S | 141I 132.I 8 | ND | 42c194 | 50c000 | ug/L | | 84c4 | | 50 . 120 | |
| | # SD | 141I 132.I 8 | ND | 41c1 8I | 50c000 | ug/L | 1c2 | 83c4 | 30 | 50 . 120 | |
| 2.# ethylphenol | # S | 141I 132.I 8 | ND | 44c045 | 50c000 | ug/L | | 88c1 | | 40 . 110 | |
| | # SD | 141I 132.I 8 | ND | 43c434 | 50c000 | ug/L | 1c4 | 8I c9 | 30 | 40 . 110 | |
| 3. & 4.# ethylphenol | # S | 141I 132.I 8 | ND | ) 9c121 | 100c00 | ug/L | | ) 9c1 | | 40 . 110 | |
| | # SD | 141I 132.I 8 | ND | ) 8c) 4I | 100c00 | ug/L | 0c5 | ) 8c) | 30 | 40 . 110 | |
| 4.Nitrophenol | # S | 141I 132.I 8 | ND | 23c988 | 50c000 | ug/L | | 48c0 | | 10 . 110 | |
| | # SD | 141I 132.I 8 | ND | 23c5) 0 | 50c000 | ug/L | 1c3 | 4) c1 | 30 | 10 . 110 | |
| Pentachlorophenol | # S | 141I 132.I 8 | ND | 2) c) 50 | 50c000 | ug/L | | 55c5 | | 30 . 120 | |
| | # SD | 141I 132.I 8 | ND | 30c) 42 | 50c000 | ug/L | 10c2 | I 1c5 | 30 | 30 . 120 | |
| Phenol | # S | 141I 132.I 8 | ND | 22c424 | 50c000 | ug/L | | 44c3 | | 20 . 110 | |
| | # SD | 141I 132.I 8 | ND | 22c5) 2 | 50c000 | ug/L | 0c) | 45c1 | 30 | 20 . 110 | |
| 2,4,I .Trichlorophenol | # S | 141I 132.I 8 | ND | 45c421 | 50c000 | ug/L | | 90c3 | | 50 . 120 | |
| | # SD | 141I 132.I 8 | ND | 4I c341 | 50c000 | ug/L | 2c0 | 92c) | 30 | 50 . 120 | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH2608** | Ksed client sample: N | | | | | | | | | | |
| 2-Fluorophenol (Surrogate) | MS | 141I132-18 | ND | 450.05 | 800.00 | ug/L | | 56.3 | | 30 - 120 | |
| | MSD | 141I132-18 | ND | 456.34 | 800.00 | ug/L | 1.9 | 57.3 | | 30 - 120 | |
| Phenol-d5 (Surrogate) | MS | 141I132-18 | ND | 336.91 | 800.00 | ug/L | | 42.0 | | 12 - 110 | |
| | MSD | 141I132-18 | ND | 336.34 | 800.00 | ug/L | 0.4 | 42.2 | | 12 - 110 | |
| Nitrobenzene-d5 (Surrogate) | MS | 141I132-18 | ND | 72.08 | 800.00 | ug/L | | 9.0 | | 10 - 130 | |
| | MSD | 141I132-18 | ND | 72.28 | 800.00 | ug/L | 0.1 | 9.0 | | 10 - 130 | |
| 2-Fluorobiphenyl (Surrogate) | MS | 141I132-18 | ND | 103.70 | 800.00 | ug/L | | 75 | | 55 - 125 | |
| | MSD | 141I132-18 | ND | 129.85 | 800.00 | ug/L | 4.2 | 78.3 | | 55 - 125 | |
| 2,4,6-Tribromophenol (Surrogate) | MS | 141I132-18 | ND | 145.88 | 800.00 | ug/L | | 80.3 | | 40 - 150 | |
| | MSD | 141I132-18 | ND | 189.70 | 800.00 | ug/L | 1.1 | 81.2 | | 40 - 150 | |
| p-Terphenyl-d14 (Surrogate) | MS | 141I132-18 | ND | 334.42 | 400.00 | ug/L | | 83.6 | | 40 - 150 | |
| | MSD | 141I132-18 | ND | 347.18 | 400.00 | ug/L | 3.5 | 87.5 | | 40 - 150 | |

| | |
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# NDMA (EPA Method 8270C-SIM)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH2539** | | | | | | |
| N.Nitrosodimethylamine | BXH2539.BL-01 | ND | ug/L | 0.010 | 0.0030 | |
| **Naphthalene-d8 (Surrogate)** | **BXH2539-BLK1** | **88.8** | % | **65 - 142 (LCL - UCL)** | | |

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| Geologic Associates<br>1831 Commercenter East<br>San Bernardino, CA 92408 | **Reported:** 09/11/2014 14:11<br>Project: Rialto Perchlorate Investigaton<br>Project Number: 2013.0100<br>Project Manager: Jason Sapp |

# NDMA (EPA Method 8270C-SIM)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH2539** | | | | | | | | | | |
| N.Nitrosodimethylamine | BXH2539.BS1 | LCS | 0.0119330 | 0.040000 | ug/L | 119 | | 119 - 119 | | L01 |
| Naphthalene.d8 (Surrogate) | BXH2539.BS1 | LCS | 0.058410 | 0.080000 | ug/L | 73.0 | | 15 - 142 | | |

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| Geologic Associates<br>1831 Commercenter East<br>San Bernardino, CA 92408 | **Reported:** 09/11/2014 14:11<br>Project: Rialto Perchlorate Investigaton<br>Project Number: 2013.0100<br>Project Manager: Jason Sapp |

# NDMA (EPA Method 8270C-SIM)

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH2539** | Ksed client sample: N | | | | | | | | | | |
| **N-Nitrosodimethylamine** | # S | **1416132-74** | **ND** | **0.76230** | **0.40000** | **ug/L** | | **191** | | **56 - 118** | **Q03** |
| | # SD | **1416132-74** | **ND** | **0.67200** | **0.40000** | **ug/L** | **12.6** | **168** | **22** | **56 - 118** | **Q03** |
| Naphthalene.d8 (Surrogate) | # S | 141132.)4 | ND | 0.32 0 | 0.30000 | ug/L | | 91.1 | | 15 . 142 | |
| | # SD | 141132.)4 | ND | 0.2400 | 0.30000 | ug/L | 1 0.0 | )8.0 | | 15 . 142 | |

Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate 7nvestigaton
Project Number: 2013.0100
Project # anager: Jason Sapp

# Water Analysis (General Chemistry)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1594** | | | | | | |
| **Chloride** | **BXH1594-BLK1** | **0.22300** | **mg/L** | **0.50** | **0.067** | **J** |
| Nitrate as N | BXH1594.BL- 1 | ND | mg/L | 0q10 | 0q025 | |
| **Sulfate** | **BXH1594-BLK1** | **0.21700** | **mg/L** | **1.0** | **0.18** | **J** |
| **QC Batch ID: BXH1696** | | | | | | |
| # BAS | BXH1I 9I .BL- 1 | ND | mg/L | 0q10 | 0q015 | |
| **QC Batch ID: BXH1925** | | | | | | |
| Dissolved Hardness as CaCO3 | BXH1925.BL- 1 | ND | mg/L | 0q50 | 0q10 | |
| **QC Batch ID: BXH1967** | | | | | | |
| Dissolved Calcium | BXH19I ) .BL- 2 | ND | mg/L | 0q10 | 0q01I | |
| **Dissolved Magnesium** | **BXH1967-BLK1** | **0.019246** | **mg/L** | **0.050** | **0.019** | **J** |
| **Dissolved Sodium** | **BXH1967-BLK1** | **0.063754** | **mg/L** | **0.50** | **0.051** | **J** |
| Dissolved Potassium | BXH19I ) .BL- 1 | ND | mg/L | 1q0 | 0q10 | |
| **QC Batch ID: BXH1980** | | | | | | |
| Total Dissolved Solids Z 180 C | BXH1980.BL- 1 | ND | mg/L | I q) | I q) | |
| **QC Batch ID: BXH2003** | | | | | | |
| Hydroxide | BXH2003.BL- 1 | ND | mg/L | 1q4 | 1q4 | |
| Total Alkalinity as CaCO3 | BXH2003.BL- 1 | ND | mg/L | 4q1 | 4q1 | |
| **QC Batch ID: BXH2984** | | | | | | |
| Perchlorate | BXH2984.BL- 1 | ND | ug/L | 4q0 | 0q45 | |
| **QC Batch ID: BXI0726** | | | | | | |
| Perchlorate | BX70) 2I .BL- 1 | ND | ug/L | 4q0 | 0q45 | |
| **QC Batch ID: BXI0869** | | | | | | |
| Perchlorate | BX708I 9.BL- 1 | ND | ug/L | 4q0 | 0q45 | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate 7nvestigaton
Project Number: 2013.0100
Project # anager: Jason Sapp

# Water Analysis (General Chemistry)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1594** | | | | | | | | | | |
| Chloride | BXH1594.BS1 | LCS | 49ϕ3) 2 | 50ϕ000 | mg/L | 99ϕ) | | 90 . 110 | | |
| Nitrate as N | BXH1594.BS1 | LCS | 4ϕ9) 20 | 5ϕ0000 | mg/L | 99ϕ4 | | 90 . 110 | | |
| Sulfate | BXH1594.BS1 | LCS | 99ϕ210 | 100ϕ00 | mg/L | 99ϕ2 | | 90 . 110 | | |
| **QC Batch ID: BXH1696** | | | | | | | | | | |
| # BAS | BXH1I 9I .BS1 | LCS | 0ϕ19180 | 0ϕ20000 | mg/L | 95ϕ9 | | 85 . 115 | | |
| **QC Batch ID: BXH1967** | | | | | | | | | | |
| Dissolved Calcium | BXH19I ) .BS2 | LCS | 10ϕ202 | 10ϕ000 | mg/L | 102 | | 85 . 115 | | |
| Dissolved # agnesium | BXH19I ) .BS1 | LCS | 10ϕ490 | 10ϕ000 | mg/L | 105 | | 85 . 115 | | |
| Dissolved Sodium | BXH19I ) .BS1 | LCS | 9ϕ9) I 3 | 10ϕ000 | mg/L | 99ϕ3 | | 85 . 115 | | |
| Dissolved Potassium | BXH19I ) .BS1 | LCS | 9ϕ2944 | 10ϕ000 | mg/L | 92ϕ9 | | 85 . 115 | | |
| **QC Batch ID: BXH1980** | | | | | | | | | | |
| Total Dissolved Solids Z 180 C | BXH1980.BS1 | LCS | 540ϕ00 | 58I ϕ00 | mg/L | 92ϕ2 | | 90 . 110 | | |
| **QC Batch ID: BXH2003** | | | | | | | | | | |
| Total Alkalinity as CaCO3 | BXH2003.BS3 | LCS | 99ϕ190 | 100ϕ00 | mg/L | 99ϕ2 | | 90 . 110 | | |
| **QC Batch ID: BXH2984** | | | | | | | | | | |
| Perchlorate | BXH2984.BS1 | LCS | 9ϕ) 943 | 10ϕ000 | ug/L | 9) ϕ9 | | 85 . 115 | | |
| **QC Batch ID: BXI0726** | | | | | | | | | | |
| Perchlorate | BX70) 2I .BS1 | LCS | 10ϕ284 | 10ϕ000 | ug/L | 103 | | 85 . 115 | | |
| **QC Batch ID: BXI0869** | | | | | | | | | | |
| Perchlorate | BX708I 9.BS1 | LCS | 11ϕ098 | 10ϕ000 | ug/L | 111 | | 85 . 115 | | |

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Geologic Associates
1831 Commercenter East
San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1594** | Ksed client sample: N | | | | | | | | | | |
| Chloride | DKP | 418) ) 5.01RE2 | 20.52I | 20.593 | | mg/L | 0.3 | | 10 | | |
| | # S | 418) ) 5.01RE2 | 20.52I | ) I .359 | 50.505 | mg/L | | 111 | | 80 . 120 | |
| | # SD | 418) ) 5.01RE2 | 20.52I | ) I .3I 8 | 50.505 | mg/L | 0.0 | 111 | 10 | 80 . 120 | |
| Nitrate as N | DKP | 418) ) 5.01RE2 | 0.18) 00 | 0.18300 | | mg/L | 2.2 | | 10 | | |
| | # S | 418) ) 5.01RE2 | 0.18) 00 | 5.4434 | 5.0505 | mg/L | | 104 | | 80 . 120 | |
| | # SD | 418) ) 5.01RE2 | 0.18) 00 | 5.4545 | 5.0505 | mg/L | 0.2 | 104 | 10 | 80 . 120 | |
| Sulfate | DKP | 418) ) 5.01RE2 | ND | ND | | mg/L | | | 10 | | |
| | # S | 418) ) 5.01RE2 | ND | 105.15 | 101.01 | mg/L | | 104 | | 80 . 120 | |
| | # SD | 418) ) 5.01RE2 | ND | 105.44 | 101.01 | mg/L | 0.3 | 104 | 10 | 80 . 120 | |
| **QC Batch ID: BXH1696** | Ksed client sample: @. Description: N14.4, 08/14/2014 15:41 | | | | | | | | | | |
| # BAS | DKP | 14189I 1.03 | 0.15I 40 | ND | | mg/L | | | 20 | | |
| | # S | 14189I 1.03 | 0.15I 40 | 0.4) ) 20 | 0.40000 | mg/L | | 80.2 | | 80 . 120 | |
| | # SD | 14189I 1.03 | 0.15I 40 | 0.481I 0 | 0.40000 | mg/L | 0.9 | 81.3 | 20 | 80 . 120 | |
| **QC Batch ID: BXH1967** | Ksed client sample: N | | | | | | | | | | |
| **Dissolved Calcium** | DKP | **1418798-02** | **84.297** | **83.890** | | **mg/L** | **0.5** | | **20** | | |
| | # S | **1418798-02** | **84.297** | **89.501** | **10.204** | **mg/L** | | **51.0** | | **75 - 125** | **A03** |
| | # SD | **1418798-02** | **84.297** | **88.377** | **10.204** | **mg/L** | **1.3** | **40.0** | **20** | **75 - 125** | **A03** |
| Dissolved Magnesium | DKP | 1418) 98.02 | 11.38) | 12.598 | | mg/L | 5.3 | | 20 | | |
| | # S | 1418) 98.02 | 11.38) | 22.5) 4 | 10.204 | mg/L | | 105 | | ) 5 . 125 | |
| | # SD | 1418) 98.02 | 11.38) | 22.354 | 10.204 | mg/L | 1.0 | 103 | 20 | ) 5 . 125 | |
| Dissolved Sodium | DKP | 1418) 98.02 | 11.) 22 | 11.) 8) | | mg/L | 1.4 | | 20 | | |
| | # S | 1418) 98.02 | 11.) 22 | 21.38I | 10.204 | mg/L | | 95.) | | ) 5 . 125 | |
| | # SD | 1418) 98.02 | 11.) 22 | 21.338 | 10.204 | mg/L | 0.2 | 95.2 | 20 | ) 5 . 125 | |
| Dissolved Potassium | DKP | 1418) 98.02 | 3.0803 | 3.1548 | | mg/L | 2.4 | | 20 | | |
| | # S | 1418) 98.02 | 3.0803 | 12.9I 0 | 10.204 | mg/L | | 9I .3 | | ) 5 . 125 | |
| | # SD | 1418) 98.02 | 3.0803 | 12.311 | 10.204 | mg/L | 1.2 | 95.4 | 20 | ) 5 . 125 | |
| **QC Batch ID: BXH1980** | Ksed client sample: N | | | | | | | | | | |
| Total Dissolved Solids Z 180 C | DKP | 14188) 8.01 | 22I 0.0 | 2280.0 | | mg/L | 0.9 | | 10 | | |
| **QC Batch ID: BXH2003** | Ksed client sample: N | | | | | | | | | | |
| Hydroxide | DKP | 141895) .10 | ND | ND | | mg/L | | | 10 | | |
| Total Alkalinity as CaCO3 | DKP | 141895) .10 | 1I 4.00 | 1I 4.30 | | mg/L | 0.2 | | 10 | | |
| **QC Batch ID: BXH2984** | Ksed client sample: N | | | | | | | | | | |
| Perchlorate | DKP | 420019.05RE1 | 18.303 | 18.155 | | ug/L | 0.3 | | 15 | | |
| | # S | 420019.05RE1 | 18.303 | 41.152 | 20.202 | ug/L | | 113 | | 80 . 120 | |
| | # SD | 420019.05RE1 | 18.303 | 41.199 | 20.202 | ug/L | 0.1 | 113 | 15 | 80 . 120 | |
| **QC Batch ID: BXI0726** | Ksed client sample: N | | | | | | | | | | |

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San Bernardino, CA 92408

**Reported:** 09/11/2014 14:11
Project: Rialto Perchlorate Investigaton
Project Number: 2013.0100
Project Manager: Jason Sapp

# Water Analysis (General Chemistry)

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXI0726** | Ksed client sample: N | | | | | | | | | | |
| **Perchlorate** | DKP | **1420861-01** | **2.3468** | **2.9886** | | **ug/L** | **24.1** | | **15** | | **J,A02** |
| | # S | **1420861-01** | **2.3468** | **11.816** | **10.101** | **ug/L** | | **93.7** | | **80 - 120** | |
| | # SD | **1420861-01** | **2.3468** | **11.925** | **10.101** | **ug/L** | **0.9** | **94.8** | **15** | **80 - 120** | |
| **QC Batch ID: BXI0869** | Ksed client sample: N | | | | | | | | | | |
| Perchlorate | DKP | 1420391.02 | ND | ND | | ug/L | | | 15 | | |
| | # S | 1420391.02 | ND | 10.3) I | 10.101 | ug/L | | 103 | | 80 . 120 | |
| | # SD | 1420391.02 | ND | 10.14) | 10.101 | ug/L | 2.2 | 100 | 15 | 80 . 120 | |

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# Metals Analysis

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1808** | | | | | | |
| Dissolved Mercury | BXH1808.BL-1 | ND | ug/L | 0.020 | 0.0033 | |
| **QC Batch ID: BXH1967** | | | | | | |
| Dissolved Antimony | BXH1967.BL-1 | ND | ug/L | 100 | 4.9 | |
| Dissolved Arsenic | BXH1967.BL-1 | ND | ug/L | 50 | 9.2 | |
| Dissolved Barium | BXH1967.BL-1 | ND | ug/L | 10 | 3.5 | |
| Dissolved Beryllium | BXH1967.BL-1 | ND | ug/L | 10 | 0.50 | |
| Dissolved Cadmium | BXH1967.BL-1 | ND | ug/L | 10 | 1.1 | |
| Dissolved Chromium | BXH1967.BL-1 | ND | ug/L | 10 | 1.0 | |
| Dissolved Cobalt | BXH1967.BL-1 | ND | ug/L | 50 | 1.1 | |
| Dissolved Copper | BXH1967.BL-1 | ND | ug/L | 10 | 1.0 | |
| **Dissolved Lead** | **BXH1967-BLK1** | **5.0702** | **ug/L** | **50** | **3.5** | **J** |
| Dissolved Molybdenum | BXH1967.BL-1 | ND | ug/L | 50 | 1.4 | |
| Dissolved Nickel | BXH1967.BL-2 | ND | ug/L | 10 | 2.4 | |
| Dissolved Selenium | BXH1967.BL-2 | ND | ug/L | 100 | 15 | |
| Dissolved Silver | BXH1967.BL-1 | ND | ug/L | 10 | 1.2 | |
| Dissolved Thallium | BXH1967.BL-1 | ND | ug/L | 100 | 10 | |
| Dissolved Vanadium | BXH1967.BL-1 | ND | ug/L | 10 | 2.2 | |
| Dissolved Zinc | BXH1967.BL-1 | ND | ug/L | 10 | 5.0 | |

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# Metals Analysis

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1808** | | | | | | | | | | |
| Dissolved Mercury | BXH1808.BS1 | LCS | 0.0911000 | 10.0000 | ug/L | 91.0 | | 85 - 115 | | |
| **QC Batch ID: BXH1967** | | | | | | | | | | |
| Dissolved Antimony | BXH1911.BS1 | LCS | 351.5 | 400.00 | ug/L | 89.2 | | 85 - 115 | | |
| Dissolved Arsenic | BXH1911.BS1 | LCS | 111.31 | 200.00 | ug/L | 88.1 | | 85 - 115 | | |
| Dissolved Barium | BXH1911.BS1 | LCS | 410.00 | 400.00 | ug/L | 102 | | 85 - 115 | | |
| Dissolved Beryllium | BXH1911.BS1 | LCS | 200.11 | 200.00 | ug/L | 100 | | 85 - 115 | | |
| Dissolved Cadmium | BXH1911.BS1 | LCS | 192.31 | 200.00 | ug/L | 91.4 | | 85 - 115 | | |
| Dissolved Chromium | BXH1911.BS1 | LCS | 200.21 | 200.00 | ug/L | 100 | | 85 - 115 | | |
| Dissolved Cobalt | BXH1911.BS1 | LCS | 191.00 | 200.00 | ug/L | 98.0 | | 85 - 115 | | |
| Dissolved Copper | BXH1911.BS1 | LCS | 381.02 | 400.00 | ug/L | 91.3 | | 85 - 115 | | |
| Dissolved Lead | BXH1911.BS1 | LCS | 400.18 | 400.00 | ug/L | 100 | | 85 - 115 | | |
| Dissolved Molybdenum | BXH1911.BS1 | LCS | 201.31 | 200.00 | ug/L | 101 | | 85 - 115 | | |
| Dissolved Nickel | BXH1911.BS2 | LCS | 432.02 | 400.00 | ug/L | 108 | | 85 - 115 | | |
| Dissolved Selenium | BXH1911.BS2 | LCS | 181.32 | 200.00 | ug/L | 93.2 | | 85 - 115 | | |
| Dissolved Silver | BXH1911.BS1 | LCS | 91.3232 | 100.00 | ug/L | 91.3 | | 85 - 115 | | |
| Dissolved Thallium | BXH1911.BS1 | LCS | 409.92 | 400.00 | ug/L | 102 | | 85 - 115 | | |
| Dissolved Vanadium | BXH1911.BS1 | LCS | 193.31 | 200.00 | ug/L | 91.9 | | 85 - 115 | | |
| Dissolved Zinc | BXH1911.BS1 | LCS | 504.34 | 500.00 | ug/L | 101 | | 85 - 115 | | |

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San Bernardino, CA 92408

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Project: Rialto Perchlorate 7nvestigaton
Project Number: 2013.0100
Project # anager: Jason Sapp

# Metals Analysis

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1808** | Ksed client sample: N | | | | | | | | | | |
| Dissolved # ercury | DKP | 14189) 9.01 | ND | 0ϕ035000 | | ug/L | | | 20 | | J |
| | # S | 14189) 9.01 | ND | 1ϕI 50 | 1ϕ000 | ug/L | | 10I | | ) 0 . 130 | |
| | # SD | 14189) 9.01 | ND | 1ϕ) 50 | 1ϕ000 | ug/L | 0ϕ9 | 108 | 20 | ) 0 . 130 | |
| **QC Batch ID: BXH1967** | Ksed client sample: N | | | | | | | | | | |
| Dissolved Antimony | DKP | 1418) 98.02 | ND | 5ϕ484) | | ug/L | | | 20 | | J |
| | # S | 1418) 98.02 | ND | 355ϕI5 | 408ϕII | ug/L | | 8) ϕ0 | | ) 5 . 125 | |
| | # SD | 1418) 98.02 | ND | 3) 1ϕ94 | 408ϕII | ug/L | 4ϕ | 91ϕI | 20 | ) 5 . 125 | |
| Dissolved Arsenic | DKP | 1418) 98.02 | ND | 1) ϕI95 | | ug/L | | | 20 | | J |
| | # S | 1418) 98.02 | ND | 202ϕI) | 204ϕ08 | ug/L | | 99ϕI | | ) 5 . 125 | |
| | # SD | 1418) 98.02 | ND | 204ϕ39 | 204ϕ08 | ug/L | 1ϕI | 100 | 20 | ) 5 . 125 | |
| Dissolved Barium | DKP | 1418) 98.02 | 28ϕ545 | 32ϕ303 | | ug/L | 12ϕ4 | | 20 | | |
| | # S | 1418) 98.02 | 28ϕ545 | 44I ϕ24 | 408ϕII | ug/L | | 102 | | ) 5 . 125 | |
| | # SD | 1418) 98.02 | 28ϕ545 | 442ϕ08 | 408ϕII | ug/L | 0ϕ9 | 101 | 20 | ) 5 . 125 | |
| Dissolved Beryllium | DKP | 1418) 98.02 | ND | ND | | ug/L | | | 20 | | |
| | # S | 1418) 98.02 | ND | 211ϕI2 | 204ϕ08 | ug/L | | 103 | | ) 5 . 125 | |
| | # SD | 1418) 98.02 | ND | 208ϕ) 3 | 204ϕ08 | ug/L | 1ϕ2 | 102 | 20 | ) 5 . 125 | |
| Dissolved Cadmium | DKP | 1418) 98.02 | ND | ND | | ug/L | | | 20 | | |
| | # S | 1418) 98.02 | ND | 20) ϕ2) | 204ϕ08 | ug/L | | 102 | | ) 5 . 125 | |
| | # SD | 1418) 98.02 | ND | 205ϕ3I | 204ϕ08 | ug/L | 0ϕ) | 101 | 20 | ) 5 . 125 | |
| Dissolved Chromium | DKP | 1418) 98.02 | ND | ND | | ug/L | | | 20 | | |
| | # S | 1418) 98.02 | ND | 201ϕ33 | 204ϕ08 | ug/L | | 98ϕ9 | | ) 5 . 125 | |
| | # SD | 1418) 98.02 | ND | 198ϕI8 | 204ϕ08 | ug/L | 1ϕ3 | 9) ϕI | 20 | ) 5 . 125 | |
| Dissolved Cobalt | DKP | 1418) 98.02 | ND | ND | | ug/L | | | 20 | | |
| | # S | 1418) 98.02 | ND | 198ϕ3I | 204ϕ08 | ug/L | | 9) ϕ4 | | ) 5 . 125 | |
| | # SD | 1418) 98.02 | ND | 198ϕ9I | 204ϕ08 | ug/L | 0ϕI | 9) ϕ5 | 20 | ) 5 . 125 | |
| **Dissolved Copper** | DKP | **1418798-02** | **1.4529** | **2.2036** | | **ug/L** | **41.1** | | **20** | | **J,A02** |
| | # S | **1418798-02** | **1.4529** | **383.20** | **408.16** | **ug/L** | | **93.5** | | **75 - 125** | |
| | # SD | **1418798-02** | **1.4529** | **388.59** | **408.16** | **ug/L** | **1.4** | **94.8** | **20** | **75 - 125** | |
| **Dissolved Lead** | DKP | **1418798-02** | **6.0759** | **3.8343** | | **ug/L** | **45.2** | | **20** | | **J,A02** |
| | # S | **1418798-02** | **6.0759** | **413.73** | **408.16** | **ug/L** | | **99.9** | | **75 - 125** | |
| | # SD | **1418798-02** | **6.0759** | **421.64** | **408.16** | **ug/L** | **1.9** | **102** | **20** | **75 - 125** | |
| Dissolved # olybdenum | DKP | 1418) 98.02 | 14ϕ385 | 14ϕ4I 8 | | ug/L | 2ϕ3 | | 20 | | J |
| | # S | 1418) 98.02 | 14ϕ385 | 215ϕ4I | 204ϕ08 | ug/L | | 98ϕ3 | | ) 5 . 125 | |
| | # SD | 1418) 98.02 | 14ϕ385 | 218ϕ) 1 | 204ϕ08 | ug/L | 1ϕ5 | 99ϕ3 | 20 | ) 5 . 125 | |
| Dissolved Nickel | DKP | 1418) 98.02 | ND | ND | | ug/L | | | 20 | | |
| | # S | 1418) 98.02 | ND | 404ϕ48 | 408ϕII | ug/L | | 99ϕI | | ) 5 . 125 | |
| | # SD | 1418) 98.02 | ND | 422ϕ52 | 408ϕII | ug/L | 4ϕ4 | 104 | 20 | ) 5 . 125 | |

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San Bernardino, CA 92408

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Project: Rialto Perchlorate 7nvestigaton
Project Number: 2013.0100
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# Metals Analysis

## Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: BXH1967** | Ksed client sample: N | | | | | | | | | | |
| Dissolved Selenium | DKP | 1418) 98.02 | 2I c5I 3 | 29c208 | | ug/L | 9c5 | | 20 | | J |
| | # S | 1418) 98.02 | 2I c5I 3 | 229c2) | 204c08 | ug/L | | 99c3 | | ) 5 . 125 | |
| | # SD | 1418) 98.02 | 2I c5I 3 | 22) c8I | 204c08 | ug/L | 0c1 | 98c1 | 20 | ) 5 . 125 | |
| Dissolved Silver | DKP | 1418) 98.02 | ND | 1c51I 8 | | ug/L | | | 20 | | J |
| | # S | 1418) 98.02 | ND | 94c) 8) | 102c04 | ug/L | | 92c9 | | ) 5 . 125 | |
| | # SD | 1418) 98.02 | ND | 9I c542 | 102c04 | ug/L | 1c3 | 94c1 | 20 | ) 5 . 125 | |
| Dissolved Thallium | DKP | 1418) 98.02 | ND | ND | | ug/L | | | 20 | | |
| | # S | 1418) 98.02 | ND | 425c3) | 408c1I | ug/L | | 104 | | ) 5 . 125 | |
| | # SD | 1418) 98.02 | ND | 425c19 | 408c1I | ug/L | 0c2 | 104 | 20 | ) 5 . 125 | |
| Dissolved Vanadium | DKP | 1418) 98.02 | ND | 2c9222 | | ug/L | | | 20 | | J |
| | # S | 1418) 98.02 | ND | 19) c18 | 204c08 | ug/L | | 9I c1 | | ) 5 . 125 | |
| | # SD | 1418) 98.02 | ND | 199c04 | 204c08 | ug/L | 0c9 | 9) c5 | 20 | ) 5 . 125 | |
| Dissolved Yinc | DKP | 1418) 98.02 | ND | I c181) | | ug/L | | | 20 | | J |
| | # S | 1418) 98.02 | ND | 534c88 | 510c20 | ug/L | | 105 | | ) 5 . 125 | |
| | # SD | 1418) 98.02 | ND | 533c44 | 510c20 | ug/L | 0c3 | 105 | 20 | ) 5 . 125 | |

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| | | | |
|---|---|---|---|
| Geologic Associates | | **Reported:** | 09/11/2014 14:11 |
| 1831 Commercenter East | | Project: | Rialto Perchlorate 7nvestigaton |
| San Bernardino, CA 92408 | | Project Number: | 2013.0100 |
| | | Project # anager: | Jason Sapp |

## Notes And Definitions

| | |
|---|---|
| J | Estimated Value UCLP Flag( |
| # DL | # ethod Detection Limit |
| ND | Analyte Not Detected at or above the reporting limit |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| A02 | The difference between duplicate readings is less than the PQLq |
| A03 | The sample concentration is more than 4 times the spike levelq |
| A2I | Sample received past holding timeq |
| L01 | The Laboratory Control Sample Water ULCSW( recovery is not within laboratory established control limitsq |
| Q02 | # atrix spike precision is not within the control limitsq |
| Q03 | # atrix spike recoveryUs( isUare( not within the control limitsq |
| S05 | The sample holding time was exceededq |
| S09 | The surrogate recovery on the sample for this compound was not within the control limitsq |
| V01 | The 7nitial Calibration Verification UICV( recovery is not within established control limitsq |
| V11 | The Continuing Calibration Verification UCCV( recovery is not within established control limitsq |

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| | | | |
|---|---|---|---|
| Client Name: | GeoLogic Associates-SB | Analytical Report: | Page 1 of 5 |
| Contact: | Jason Sapp | Project Name: | GLA-Rialto Perchlorate |
| Address: | 250 West First Street Suite 228<br>Claremont, CA 91711 | Project Number: | [none] |
| | | **Work Order Number:** | **B4H1764** |
| Report Date: | 27-Aug-2014 | Received on Ice (Y/N): | Yes Temp: 1 °C |

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

## Sample Identification

| Lab Sample # | Client Sample ID | Matrix | Date Sampled | By | Date Submitted | By |
|---|---|---|---|---|---|---|
| B4H1764-01 | M-1D | Water | 08/18/14 11:50 | Adam C. Shaw | 08/18/14 15:12 | Adam C. Shaw |
| B4H1764-02 | N13-4 | Water | 08/18/14 15:10 | Adam C. Shaw | 08/18/14 15:12 | Adam C. Shaw |

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| | | | |
|---|---|---|---|
| Client Name: | GeoLogic Associates-SB | Analytical Report: | Page 2 of 5 |
| Contact: | Jason Sapp | Project Name: | GLA-Rialto Perchlorate |
| Address: | 250 West First Street Suite 228<br>Claremont, CA 91711 | Project Number: | [none] |
| | | **Work Order Number:** | **B4H1764** |
| Report Date: | 27-Aug-2014 | Received on Ice (Y/N): | Yes Temp: 1 °C |

Laboratory Reference Number

**B4H1764-01**

| Sample Description | Matrix | Sampled Date/Time | Received Date/Time |
|---|---|---|---|
| M-1D | Water | 08/18/14 11:50 | 08/18/14 15:12 |

| Analyte(s) | Result | RDL | MDL | Units | Method | Analysis Date | Analyst | Flag |
|---|---|---|---|---|---|---|---|---|
| General Inorganics | | | | | | | | |
| Perchlorate | 15 | 0.10 | 0.035 | ug/L | EPA 332.0 | 08/21/14 23:57 | ss | Nconf |

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| | | | |
|---|---|---|---|
| Client Name: | GeoLogic Associates-SB | Analytical Report: | Page 3 of 5 |
| Contact: | Jason Sapp | Project Name: | GLA-Rialto Perchlorate |
| Address: | 250 West First Street Suite 228<br>Claremont, CA 91711 | Project Number: | [none] |
| | | **Work Order Number:** | **B4H1764** |
| Report Date: | 27-Aug-2014 | Received on Ice (Y/N): | Yes Temp: 1 °C |

Laboratory Reference Number

**B4H1764-02**

| Sample Description | Matrix | Sampled Date/Time | Received Date/Time |
|---|---|---|---|
| N13-4 | Water | 08/18/14 15:10 | 08/18/14 15:12 |

| Analyte(s) | Result | RDL | MDL | Units | Method | Analysis Date | Analyst | Flag |
|---|---|---|---|---|---|---|---|---|
| General Inorganics | | | | | | | | |
| Perchlorate | 160 | 2.5 | 0.87 | ug/L | EPA 332.0 | 08/21/14 23:57 | ss | Nconf |

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| | | | |
|---|---|---|---|
| Client Name: | GeoLogic Associates-SB | Analytical Report: | Page 4 of 5 |
| Contact: | Jason Sapp | Project Name: | GLA-Rialto Perchlorate |
| Address: | 250 West First Street Suite 228<br>Claremont, CA 91711 | Project Number: | [none] |
| | | **Work Order Number:** | **B4H1764** |
| Report Date: | 27-Aug-2014 | Received on Ice (Y/N): | Yes Temp: 1 °C |

## General Inorganics - Batch Quality Control

| Analyte(s) | Result | RDL | | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 14H2103 - Analyzed as Received IC** | | | | | | | | | | | |
| **Blank (14H2103-BLK1)** | | | | | Prepared & Analyzed: 08/21/14 | | | | | | |
| Perchlorate | ND | 0.10 | 0.035 | ug/L | | | | | | | |
| **LCS (14H2103-BS1)** | | | | | Prepared & Analyzed: 08/21/14 | | | | | | |
| Perchlorate | 5.41 | 0.10 | 0.035 | ug/L | 5.00 | | 108 | 80-120 | | | |
| **Duplicate (14H2103-DUP1)** | | **Source: B4H2095-04** | | | Prepared & Analyzed: 08/21/14 | | | | | | |
| Perchlorate | ND | 0.10 | 0.035 | ug/L | | ND | | | | 20 | |
| **Matrix Spike (14H2103-MS1)** | | **Source: B4H2095-04** | | | Prepared & Analyzed: 08/21/14 | | | | | | |
| Perchlorate | 5.51 | 0.10 | 0.035 | ug/L | 5.00 | ND | 110 | 80-120 | | | |
| **Matrix Spike Dup (14H2103-MSD1)** | | **Source: B4H2095-04** | | | Prepared & Analyzed: 08/21/14 | | | | | | |
| Perchlorate | 5.10 | 0.10 | 0.035 | ug/L | 5.00 | ND | 102 | 80-120 | 7.74 | 20 | |

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| | | | |
|---|---|---|---|
| Client Name: | GeoLogic Associates-SB | Analytical Report: | Page 5 of 5 |
| Contact: | Jason Sapp | Project Name: | GLA-Rialto Perchlorate |
| Address: | 250 West First Street Suite 228<br>Claremont, CA 91711 | Project Number: | [none] |
| | | **Work Order Number:** | **B4H1764** |
| Report Date: | 27-Aug-2014 | Received on Ice (Y/N): | Yes Temp: 1 °C |

## Notes and Definitions

| | |
|---|---|
| Nconf | Result(s) confirmed by re-analysis. |
| ND: | Analyte NOT DETECTED at or above the Method Detection Limit **(if MDL is reported)**, otherwise at or above the Reportable Detection Limit (RDL) |
| NR: | Not Reported |
| RDL: | Reportable Detection Limit |
| MDL: | Method Detection Limit |
| * / ''' : | NELAP does not offer accreditation for this analyte/method/matrix combination |

## Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

cc:

e-MDL_No Alias.rpt

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| | | | |
|---|---|---|---|
| Client Name: | GeoLogic Associates-SB | Analytical Report: | Page 1 of 1 |
| Contact: | Jason Sapp | Project Name: | GLA-Rialto Perchlorate |
| Address: | 250 West First Street Suite 228<br>Claremont, CA 91711 | Project Number: | [none] |
| | | **Work Order Number:** | **B4H1764** |
| Report Date: | 27-Aug-2014 | Received on Ice (Y/N): | Yes Temp: 1 °C |

E.S.BABCOCK&Sons,Inc. Environmental Laboratories est. 1906
6100 Quail Valley Court Riverside, CA 92507
(951) 653-3351 • FAX (951) 653-1662
www.babcocklabs.com

**Chain of Custody & Sample Information Record**

Client: GeoLogic Associates Contact: Jason Sapp Fax No. 909.626-1233
Phone No. 909.626-2282 email:
Project Name: Rialto Perchlorate Turn Around Time: Routine *72 Hour Rush *48 Hour Rush *24 Hour Rush
Project Location: Rialto, CA *Lab TAT Approval: By: *Additional Charges Apply

Additional Reporting Requests: Include QC Data Package ☐ Yes ☐ No; FAX Results: ☐ Yes ☐ No; Email Results: ☐ Yes ☐ No; Send EDT: ☐ Yes ☐ No (Include Source Number in Notes)

Sampler Information: Name: Adam Shaw; Employer: GeoLogic Associates; Signature: [signature]

| Sample ID | Date | Time | Unpreserved | $H_2SO_4$ | HCl | $HNO_3$ | $Na_2S_2O_3$ | NaOH | NaOH/Zn Acetate | $NH_4Cl$ | MCAA | # of Containers & Preservatives | Total # of Containers | Sample Type: Routine | Reserve | Special | Analysis Requested | Matrix | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M-1B | 8/18/14 | 1550 | X | | | | | | | | | | 1 | | | | X Perchlorate EPA Method 332.0 | DW = Drinking Water; WW = Waste Water; GW = Ground Water; S = Source; SG = Sludge; L = Liquid; M = Miscellaneous | * EPA Method 332.0 for Perchlorate analysis. |
| M13-4 | → | 1510 | X | | | | | | | | | | 1 | | | | X | | |
| | 8/20/14 | | | | | | | | | | | | | | | | | | |

| Relinquished By (sign) | Print Name / Company | Date / Time | Received By (sign) | Print Name / Company |
|---|---|---|---|---|
| [signature] | Adam Shaw / GLA | 8.18.14 / 1512 | [signature] | [signature] |

(For Lab Use Only) Sample Integrity Upon Receipt/Acceptance Criteria
Sample(s) Submitted on Ice? Yes No
Custody Seal(s) Intact? Yes No NA
Sample(s) Intact? Yes No
Temperature: 1 °C ☐ Cooler Blank
Sample meets laboratory acceptance criteria? Yes No
Permission to continue: Yes No
Deviation/Notes:
Signature/Date:

Lab No. B4H1764
Logged in By/Date: AUG 18 2014
Page ___ of ___
Form 3/98

**BC Laboratories, Inc.**
Environmental Testing Laboratory Since 1949

Date of Report: 097097 014

2ason Sapp

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, laremontP, G 91j 11

| | |
|---|---|
| , lient - ro\Wct: | / 01k30010 |
| O, L - ro\Wct: | Rialto - ercl lorate qnvestigaton |
| O, L 8 orh u r. er: | 141914d |
| qnvoice qD: | O1d/ 6j d |

Enclose. are tl e resBlts of analyses for samples receive. by tl e laboratory on d7197 0143 qf yoB l ave any 5Bestions concerning tl is reportPplease feel free to contact me3

SincerelyP

, ontact - erson: Tina J reen
, lient Services Manager

GBtl orize. SignatBre

, ertifications: , G ELG- #11d6; NV #, G00014; u R ELG- #40k/ k001; GU ( ST101

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*
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# Table of Contents

**Sample Information**

, I ain of , Bsto. y an. , ooler Receipt form ..... k
Laboratory 7, lient Sample , ross Reference ..... A

**Sample Results**

**1418149-01 - Miro-3**

Volatile u rganic Gnalysis )E- G MetI o. A/ 43 F ..... 6
8 ater Gnalysis )J eneral , I emistry F ..... 9

**1418149-03 - Miro-2**

Volatile u rganic Gnalysis )E- G MetI o. A/ 43 F ..... 10
8 ater Gnalysis )J eneral , I emistry F ..... 1k

**1418149-02 - 5 C6 7**

Volatile u rganic Gnalysis )E- G MetI o. A/ 43 F ..... 14

**1418149-04 - 5 CT7**

Volatile u rganic Gnalysis )E- G MetI o. A/ 43 F ..... 1j

**5 ualitQ Control Reports**

**y olatile V rOanig 6 nalQsis oA( 6 MetEoP h34d8.**

MetI o. Olanh Gnalysis ..... / 0
Laboratory , ontrol Sample ..... / k
- recision an. GccBracy ..... / 4

**) ater 6 nalQsis dWeneral CEemistrQ**

MetI o. Olanh Gnalysis ..... / A
Laboratory , ontrol Sample ..... / 6
- recision an. GccBracy ..... / j

**Gotes**

Notes an. Definitions ..... / d

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Environmental Testing Laboratory Since 1949

BC Laboratories, Inc.

# Chain of Custody Form

Report To:
Client: Geologic Associates
Attn: Jason Sapp
Street Address: 250 West 1st St #228
City, State, Zip: Claremont CA 91711
Phone: (909) 626-2282 Fax: (909) 626-1233
Email Address:
Work Order #: 1418148

Project #: 2013.0100
Project Name: Rialto Perchlorate
Sampler(s): N. Reason

Page 1 of 1

Comments: * VOC testing includes: 1,2,3-TCP, TAME, TBA, ETBE, and 1,1,2-TCTFA *

Analysis Requested

Please refer to the back of this page for conditions and descriptions of analytical methods requested.

| Sample # | Description | Date Sampled | Time Sampled | VOCs (524.2) * | Perchlorate (EPA 314.0) | Sample Matrix: Soil | Sludge | Drinking Water | Ground Water | Waste Water | Other (LAB H2O) | Turnaround # of work days* | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -1 | Miro-2 | 8/18/14 | 1140 | X | X | | | | X | | | | |
| -2 | Miro-3 | | 0945 | X | X | | | | X | | | | |
| -3 | QCAB | | — | X | | | | | | | X | | |
| -4 | QCTB | | — | X | | | | | | | X | | |

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☒ No

* Standard Turnaround = 10 work days

CHK BY: MW DISTRIBUTION: SUB-OUT ☐

**Billing** ☒ Same as above
Client:
Address:
City: State Zip
Attn:
PO#:

EDF Required? Geotracker ☒ Yes ☐ No
Send Copy to State of CA? (EDT) ☐ Yes ☒ No

Global ID (Needed for EDF)
System # (Needed for EDT)

| Relinquished By | Date | Time | Received By | Date | Time |
|---|---|---|---|---|---|
| 1. [signature] | 8/18/14 | 1600 | 1. [signature] | 8/19/14 | 11:00 |
| 2. [signature] | 8/19/14 | 1605 | 2. [signature] | 8/19/14 | 1605 |
| 3. | | | 3. | | |



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**CEain of CustoPQanP Cooler Regeipt Norm for 1418149 ( aOe 3 of 3**

BC LABORATORIES INC. **COOLER RECEIPT FORM** Rev. No. 17 06/05/14 Page 1 Of 1

Submission #: 14-19148

| SHIPPING INFORMATION | SHIPPING CONTAINER | FREE LIQUID |
|---|---|---|
| Federal Express ☐ UPS ☐ Hand Delivery ☐ | Ice Chest ☑ None ☐ Box ☐ | YES ☐ NO ☐ |
| BC Lab Field Service ☑ Other ☐ (Specify)_____ | Other ☐ (Specify)_____ | |

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.97 Container: 8oz. pl Thermometer ID: 207 Date/Time 8/19/14

Temperature: (A) 0.4 °C / (C) 0.6 °C Analyst Ini MM 1605

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT GENERAL MINERAL/ GENERAL | | | | | | | | | | |
| PT PE UNPRESERVED 8oz | B | B | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT TOX | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | A2 | | | | | | |
| 40ml VOA VIAL | A3 | A3 | A2 | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) |
| QT EPA 413.1, 413.2, 418.1 | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608/8080 | | | | | | | | | | |
| QT EPA 515.1/8150 | | | | | | | | | | |
| QT EPA 525 | | | | | | | | | | |
| QT EPA 525 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz Amber EPA 548 | | | | | | | | | | |
| QT EPA 549 | | | | | | | | | | |
| QT EPA 632 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT AMBER | | | | | | | | | | |
| 8 OZ. JAR | | | | | | | | | | |
| 32 OZ. JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| Summa Canister | | | | | | | | | | |

Comments:

Sample Numbering Completed By: MM Date/Time 8/19/14 1630 (S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC16

A = Actual / C = Corrected

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J eologic Gssociates
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, laremontP, G 91j 11

| | |
|---|---|
| ReportePF | 097097 014 10:A9 |
| - roVect: | Rialto - ercI lorate qnvestigaton |
| - roVect NBmber: | / 01k3 0010 |
| - roVect Manager: | 2ason Sapp |

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| 1418149-01 | CVC GumberF | KKK | Regeij e v ateF | 0d7197 014 16:0A |
| | ( rolegt GumberF | KKK | SamplinO v ateF | 0d7ld7 014 11:40 |
| | SamplinO : ogationF | KKK | Sample v eptEF | KKK |
| | SamplinO ( ointF | MirokX | : ab MatriDF | 8 ater |
| | SampleP 7 QF | KKK | Sample TQpeF | J roBn. water |
| 1418149-03 | CVC GumberF | KKK | Regeij e v ateF | 0d7197 014 16:0A |
| | ( rolegt GumberF | KKK | SamplinO v ateF | 0d7ld7 014 09:4A |
| | SamplinO : ogationF | KKK | Sample v eptEF | KKK |
| | SamplinO ( ointF | MirokX | : ab MatriDF | 8 ater |
| | SampleP 7 QF | KKK | Sample TQpeF | J roBn. water |
| 1418149-02 | CVC GumberF | KKK | Regeij e v ateF | 0d7197 014 16:0A |
| | ( rolegt GumberF | KKK | SamplinO v ateF | 0d7ld7 014 00:00 |
| | SamplinO : ogationF | KKK | Sample v eptEF | KKK |
| | SamplinO ( ointF | Q, GO | : ab MatriDF | 8 ater |
| | SampleP 7 QF | KKK | Sample TQpeF | 8 ater |
| 1418149-04 | CVC GumberF | KKK | Regeij e v ateF | 0d7197 014 16:0A |
| | ( rolegt GumberF | KKK | SamplinO v ateF | 0d7ld7 014 00:00 |
| | SamplinO : ogationF | KKK | Sample v eptEF | KKK |
| | SamplinO ( ointF | Q, TO | : ab MatriDF | 8 ater |
| | SampleP 7 QF | KKK | Sample TQpeF | Olanh 8 ater |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*
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J eologic Gssociates
/ A0 8 3Cirst St3SBite / / d
, laremontP, G 91j 11

ReportePF 097097/ 014 10:A9
- roVct: Rialto - ercl lorate qnvestigaton
- roVct NBmber: / 01k30010
- roVct Manager: 2ason Sapp

# y olatile VrOanig 6 nalQsis cA( 6 MetEoP h34d3.

7 C: Sample Iv F 141914dK01 | Client Sample GameF MirokK Pd71d7/ 014 11:40:00GM

| Constituent | Result | x nits | ( 5 : | Mv : | MetEoP | M7 7 ias | : ab 5 uals | Run B |
|---|---|---|---|---|---|---|---|---|
| Oenzene | ND | Bg7L | 03A0 | 030dk | E- GKA/ 43 | ND | | 1 |
| Oromobenzene | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| Oromocl lorometl ane | ND | Bg7L | 03A0 | 03/ 4 | E- GKA/ 43 | ND | | 1 |
| Oromo. icl lorometl ane | ND | Bg7L | 03A0 | 0314 | E- GKA/ 43 | ND | | 1 |
| Oromoform | ND | Bg7L | 03A0 | 03/ j | E- GKA/ 43 | ND | | 1 |
| Oromometl ane | ND | Bg7L | 130 | 03/ A | E- GKA/ 43 | ND | | 1 |
| nKOBtylbenzene | ND | Bg7L | 03A0 | 0311 | E- GKA/ 43 | ND | | 1 |
| seckOBtylbenzene | ND | Bg7L | 03A0 | 031A | E- GKA/ 43 | ND | | 1 |
| tertKOBtylbenzene | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| , arbon tetracl lori. e | ND | Bg7L | 03A0 | 031d | E- GKA/ 43 | ND | | 1 |
| , l lorobenzene | ND | Bg7L | 03A0 | 0309k | E- GKA/ 43 | ND | | 1 |
| , l loroetl ane | ND | Bg7L | 03A0 | 0314 | E- GKA/ 43 | ND | | 1 |
| , l loroform | ND | Bg7L | 03A0 | 031/ | E- GKA/ 43 | ND | | 1 |
| , l lorometl ane | ND | Bg7L | 03A0 | 0314 | E- GKA/ 43 | ND | | 1 |
| / K, l lorotolBene | ND | Bg7L | 03A0 | 03/ 0 | E- GKA/ 43 | ND | | 1 |
| 4K, l lorotolBene | ND | Bg7L | 03A0 | 031A | E- GKA/ 43 | ND | | 1 |
| Dibromocl lorometl ane | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| 1P/ KDibromoKkKcl loropropane | ND | Bg7L | 130 | 0344 | E- GKA/ 43 | ND | | 1 |
| 1P/ KDibromoetl ane | ND | Bg7L | 03A0 | 0316 | E- GKA/ 43 | ND | | 1 |
| Dibromometl ane | ND | Bg7L | 03A0 | 03/ 4 | E- GKA/ 43 | ND | | 1 |
| 1P/ KDicl lorobenzene | ND | Bg7L | 03A0 | 030j / | E- GKA/ 43 | ND | | 1 |
| 1PkKDicl lorobenzene | ND | Bg7L | 03A0 | 031A | E- GKA/ 43 | ND | | 1 |
| 1P4KDicl lorobenzene | ND | Bg7L | 03A0 | 0306/ | E- GKA/ 43 | ND | | 1 |
| Dicl loro. iflBorometl ane | ND | Bg7L | 03A0 | 03099 | E- GKA/ 43 | ND | | 1 |
| 1P1KDicl loroetl ane | ND | Bg7L | 03A0 | 0311 | E- GKA/ 43 | ND | | 1 |
| 1P/ KDicl loroetl ane | ND | Bg7L | 03A0 | 031j | E- GKA/ 43 | ND | | 1 |
| 1P1KDicl loroetl ene | ND | Bg7L | 03A0 | 031d | E- GKA/ 43 | ND | | 1 |
| cisK1P/ KDicl loroetl ene | ND | Bg7L | 03A0 | 030dA | E- GKA/ 43 | ND | | 1 |
| transK1P/ KDicl loroetl ene | ND | Bg7L | 03A0 | 031A | E- GKA/ 43 | ND | | 1 |
| 1P/ KDicl loropropane | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| 1PkKDicl loropropane | ND | Bg7L | 03A0 | 030d6 | E- GKA/ 43 | ND | | 1 |
| / P/ KDicl loropropane | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| 1P1KDicl loropropene | ND | Bg7L | 03A0 | 030dA | E- GKA/ 43 | ND | | 1 |

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**ReportePF** 097097/ 014 10:A9
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- roVct NBmber: / 01k30010
- roVct Manager: 2ason Sapp

# y olatile VrOanig 6 nalQsis cA( 6 MetEoP h34d3.

**7 C: Sample Iv F** 141914dK01 | **Client Sample GameF** MirokK Pd71d7/ 014 11:40:00GM

| Constituent | Result | x nits | ( 5 : | Mv : | MetEoP | M7 7 ias | : ab 5 uals | Run B |
|---|---|---|---|---|---|---|---|---|
| cisK1RkKDicl loropropene | ND | Bg7L | 03A0 | 0314 | E- GKA/ 43 | ND | | 1 |
| transK1RkKDicl loropropene | ND | Bg7L | 03A0 | 030j 9 | E- GKA/ 43 | ND | | 1 |
| Etl ylbenzene | ND | Bg7L | 03A0 | 0309d | E- GKA/ 43 | ND | | 1 |
| Hexacl lorobBta. iene | ND | Bg7L | 03A0 | 031j | E- GKA/ 43 | ND | | 1 |
| qsopropylbenzene | ND | Bg7L | 03A0 | 0314 | E- GKA/ 43 | ND | | 1 |
| pKqsopropyltolBene | ND | Bg7L | 03A0 | 031/ | E- GKA/ 43 | ND | V11 | 1 |
| Metl ylene cl lori. e | ND | Bg7L | 03A0 | 034d | E- GKA/ 43 | ND | | 1 |
| Metl yl tKoBtyl etl er | ND | Bg7L | 03A0 | 0311 | E- GKA/ 43 | ND | | 1 |
| Napl tl alene | ND | Bg7L | 03A0 | 03k6 | E- GKA/ 43 | ND | | 1 |
| nK ropylbenzene | ND | Bg7L | 03A0 | 0311 | E- GKA/ 43 | ND | | 1 |
| **StQrene** | **0d19** | **uOU** | **0dh0** | **0d0/ 9** | **A( 6 -h34d3** | ND | **#** | 1 |
| 1P1P1P?KTetracl loroetl ane | ND | Bg7L | 03A0 | 031d | E- GKA/ 43 | ND | | 1 |
| 1P1P?P?KTetracl loroetl ane | ND | Bg7L | 03A0 | 031j | E- GKA/ 43 | ND | | 1 |
| Tetracl loroetl ene | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| **Toluene** | **2d9** | **uOU** | **0dh0** | **0d082** | **A( 6 -h34d3** | ND | | 1 |
| 1?RkKTricl lorobenzene | ND | Bg7L | 03A0 | 0316 | E- GKA/ 43 | ND | | 1 |
| 1?P4KTricl lorobenzene | ND | Bg7L | 03A0 | 0319 | E- GKA/ 43 | ND | | 1 |
| 1P1P1KTricl loroetl ane | ND | Bg7L | 03A0 | 0311 | E- GKA/ 43 | ND | | 1 |
| 1P1?KTricl loroetl ane | ND | Bg7L | 03A0 | 0316 | E- GKA/ 43 | ND | | 1 |
| Tricl loroetl ene | ND | Bg7L | 03A0 | 030dA | E- GKA/ 43 | ND | | 1 |
| Tricl loroflBorometl ane | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| 1?RkKTricl loropropane | ND | Bg7L | 130 | 03/ 4 | E- GKA/ 43 | ND | | 1 |
| 1P1?KTricl loroK1?P?KriflBoroetl ane | ND | Bg7L | 03A0 | 031A | E- GKA/ 43 | ND | | 1 |
| 1?P4KTrimetl ylbenzene | ND | Bg7L | 03A0 | 031/ | E- GKA/ 43 | ND | | 1 |
| 1RkPAKTrimetl ylbenzene | ND | Bg7L | 03A0 | 031/ | E- GKA/ 43 | ND | | 1 |
| Vinyl cl lori. e | ND | Bg7L | 03A0 | 031/ | E- GKA/ 43 | ND | | 1 |
| Gcetone | ND | Bg7L | 10 | 436 | E- GKA/ 43 | ND | | 1 |
| Gcrylonitrile | ND | Bg7L | A30 | 13/ | E- GKA/ 43 | ND | V01P/11 | 1 |
| Gllyl cl lori. e | ND | Bg7L | A30 | 03d0 | E- GKA/ 43 | ND | | 1 |
| tKGmyl Metl yl etl er | ND | Bg7L | 03A0 | 03/ A | E- GKA/ 43 | ND | | 1 |
| tKOBtyl alcol ol | ND | Bg7L | 10 | 934 | E- GKA/ 43 | ND | | 1 |
| , arbon . isBlfi. e | ND | Bg7L | 130 | 03kd | E- GKA/ 43 | ND | | 1 |
| transK1P4KDicl loroK KoBtene | ND | Bg7L | A30 | 134 | E- GKA/ 43 | ND | | 1 |

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- roVect Manager: 2ason Sapp

# y olatile VrOanig 6 nalQsis cA( 6 MetEoP h34d3.

**7 C: Sample Iv F** 141914dK01 | **Client Sample GameF** MirokK Pd71d7/ 014 11:40:00GM

| Constituent | Result | x nits | ( 5 : | Mv : | MetEoP | M7 7 ias | : ab 5 uals | Run B |
|---|---|---|---|---|---|---|---|---|
| EtI yl metI acrylate | ND | Bg7L | 430 | 039j | E- GkA/ 43 | ND | | 1 |
| EtI yl tK6Btyl etI er | ND | Bg7L | 03A0 | 031d | E- GkA/ 43 | ND | | 1 |
| / KHexanone | ND | Bg7L | 10 | k34 | E- GkA/ 43 | ND | | 1 |
| MetI acrylonitrile | ND | Bg7L | 10 | 13j | E- GkA/ 43 | ND | | 1 |
| MetI yl etI yl hetone | ND | Bg7L | 10 | / 3A | E- GkA/ 43 | ND | | 1 |
| MetI yl io. i. e | ND | Bg7L | / 30 | 034j | E- GkA/ 43 | ND | | 1 |
| MetI yl isobBtyl hetone | ND | Bg7L | 10 | / 31 | E- GkA/ 43 | ND | | 1 |
| MetI yl metI acrylate | ND | Bg7L | A30 | 13A | E- GkA/ 43 | ND | | 1 |
| Nitrobenzene | ND | Bg7L | k0 | 1k | E- GkA/ 43 | ND | V11 | 1 |
| - entacI loroetI ane | ND | Bg7L | / 30 | 034k | E- GkA/ 43 | ND | V01PV11 | 1 |
| - ropionitrile | ND | Bg7L | / 0 | 43 | E- GkA/ 43 | ND | | 1 |
| TetraI y. rofBran | ND | Bg7L | / 0 | A3 | E- GkA/ 43 | ND | | 1 |
| pK& mKXylenes | ND | Bg7L | 03A0 | 03 d | E- GkA/ 43 | ND | | 1 |
| oKXylene | ND | Bg7L | 03A0 | 030d/ | E- GkA/ 43 | ND | | 1 |
| 1P KOicI loroetI aneK 4 )SBrrogateF | 109 | % | j A K1/ A )L, L K( , LF | | E- GkA/ 43 | | | 1 |
| TolBeneK d )SBrrogateF | 10/ | % | d0 K1/ 0 )L, L K( , LF | | E- GkA/ 43 | | | 1 |
| 4KOromofIBorobenzene )SBrrogateF | dd3k | % | d0 K1/ 0 )L, L K( , LF | | E- GkA/ 43 | | | 1 |

| Run B | MetEoP | ( rep v ate | Run v ateUTime | 6 nalQst | Instrument | v ilution | 5 C 7 atgE Iv |
|---|---|---|---|---|---|---|---|
| 1 | E- GkA/ 43 | 0d7 k714 | 0d7 4714 0k:0d | 2, , | MSK/14 | 1 | OXH/ 1d9 |

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# ) ater 6 nalQsis dWeneral CEemistrQ

| 7 C: Sample Iv F | 141914dK01 | Client Sample GameF | MirokK Pd7Id7/ 014 11:40:00GM |
|---|---|---|---|

| Constituent | Result | x nits | ( 5 : | Mv : | MetEoP | M7 7 ias | : ab 5 uals | Run B |
|---|---|---|---|---|---|---|---|---|
| - ercl lorate | ND | Bg7L | 43 0 | 034A | E- GKk143 0 | ND | | 1 |

| Run B | MetEoP | ( rep v ate | Run v ateUTime | 6 nalQst | Instrument | v ilution | 5 C 7 atgE Iv |
|---|---|---|---|---|---|---|---|
| 1 | E- GKk143 0 | 097 0j 714 | 097 0j 714 1d:11 | LD1 | q 6 | 1 | OXq06A9 |

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- roVect NBmber: / 01k30010
- roVect Manager: 2ason Sapp

# y olatile VrOanig 6 nalQsis cA( 6 MetEoP h34d3.

7 C: Sample Iv F 141914dK0/ | Client Sample GameF MiroKkPd71d7/014 9:4A:00GM

| Constituent | Result | x nits | ( 5 : | Mv : | MetEoP | M7 7 ias | : ab 5 uals | Run B |
|---|---|---|---|---|---|---|---|---|
| Oenzene | ND | Bg7L | 03A0 | 030dk | E- GKA/ 43 | ND | | 1 |
| Oromobenzene | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| Oromocl lorometl ane | ND | Bg7L | 03A0 | 03/ 4 | E- GKA/ 43 | ND | | 1 |
| Oromo. icl lorometl ane | ND | Bg7L | 03A0 | 0314 | E- GKA/ 43 | ND | | 1 |
| Oromoform | ND | Bg7L | 03A0 | 03/ j | E- GKA/ 43 | ND | | 1 |
| Oromometl ane | ND | Bg7L | 130 | 03/ A | E- GKA/ 43 | ND | | 1 |
| nKOBtylbenzene | ND | Bg7L | 03A0 | 0311 | E- GKA/ 43 | ND | | 1 |
| seckOBtylbenzene | ND | Bg7L | 03A0 | 031A | E- GKA/ 43 | ND | | 1 |
| tertKOBtylbenzene | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| , arbon tetracl lori. e | ND | Bg7L | 03A0 | 031d | E- GKA/ 43 | ND | | 1 |
| , l lorobenzene | ND | Bg7L | 03A0 | 0309k | E- GKA/ 43 | ND | | 1 |
| , l loroetl ane | ND | Bg7L | 03A0 | 0314 | E- GKA/ 43 | ND | | 1 |
| , l loroform | ND | Bg7L | 03A0 | 031/ | E- GKA/ 43 | ND | | 1 |
| , l lorometl ane | ND | Bg7L | 03A0 | 0314 | E- GKA/ 43 | ND | | 1 |
| / K, l lorotolBene | ND | Bg7L | 03A0 | 03/ 0 | E- GKA/ 43 | ND | | 1 |
| 4K, l lorotolBene | ND | Bg7L | 03A0 | 031A | E- GKA/ 43 | ND | | 1 |
| Dibromocl lorometl ane | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| 1P/ KDibromoKkKcl loropropane | ND | Bg7L | 130 | 0344 | E- GKA/ 43 | ND | | 1 |
| 1P/ KDibromoetl ane | ND | Bg7L | 03A0 | 0316 | E- GKA/ 43 | ND | | 1 |
| Dibromometl ane | ND | Bg7L | 03A0 | 03/ 4 | E- GKA/ 43 | ND | | 1 |
| 1P/ KDicl lorobenzene | ND | Bg7L | 03A0 | 030j / | E- GKA/ 43 | ND | | 1 |
| 1PkKDicl lorobenzene | ND | Bg7L | 03A0 | 031A | E- GKA/ 43 | ND | | 1 |
| 1P4KDicl lorobenzene | ND | Bg7L | 03A0 | 0306/ | E- GKA/ 43 | ND | | 1 |
| Dicl loro. iflBorometl ane | ND | Bg7L | 03A0 | 03099 | E- GKA/ 43 | ND | | 1 |
| 1P1KDicl loroetl ane | ND | Bg7L | 03A0 | 0311 | E- GKA/ 43 | ND | | 1 |
| 1P/ KDicl loroetl ane | ND | Bg7L | 03A0 | 031j | E- GKA/ 43 | ND | | 1 |
| 1P1KDicl loroetl ene | ND | Bg7L | 03A0 | 031d | E- GKA/ 43 | ND | | 1 |
| cisK1P/ KDicl loroetl ene | ND | Bg7L | 03A0 | 030dA | E- GKA/ 43 | ND | | 1 |
| transK1P/ KDicl loroetl ene | ND | Bg7L | 03A0 | 031A | E- GKA/ 43 | ND | | 1 |
| 1P/ KDicl loropropane | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| 1PkKDicl loropropane | ND | Bg7L | 03A0 | 030d6 | E- GKA/ 43 | ND | | 1 |
| / P/ KDicl loropropane | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| 1P1KDicl loropropene | ND | Bg7L | 03A0 | 030dA | E- GKA/ 43 | ND | | 1 |

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# y olatile VrOanig 6 nalQsis cA( 6 MetEoP h34d3.

7 C: Sample Iv F 141914dK0/ | Client Sample GameF MiroKkPd71d7/ 014 9:4A:00GM

| Constituent | Result | x nits | ( 5 : | Mv : | MetEoP | M7 7 ias | : ab 5 uals | Run B |
|---|---|---|---|---|---|---|---|---|
| cisK1RkKDicl loropropene | ND | Bg7L | 03A0 | 0314 | E- GKA/ 43 | ND | | 1 |
| transK1RkKDicl loropropene | ND | Bg7L | 03A0 | 030j 9 | E- GKA/ 43 | ND | | 1 |
| **AtEQlbenJene** | **0d24** | **uOU** | **0dh0** | **0d089** | **A( 6 -h34d3** | ND | **#** | 1 |
| Hexacl lorobBta. iene | ND | Bg7L | 03A0 | 031j | E- GKA/ 43 | ND | | 1 |
| qsopropylbenzene | ND | Bg7L | 03A0 | 0314 | E- GKA/ 43 | ND | | 1 |
| pKqsopropyltolBene | ND | Bg7L | 03A0 | 031/ | E- GKA/ 43 | ND | V11 | 1 |
| Metl ylene cl lori. e | ND | Bg7L | 03A0 | 034d | E- GKA/ 43 | ND | | 1 |
| Metl yl tKoBtyl etl er | ND | Bg7L | 03A0 | 0311 | E- GKA/ 43 | ND | | 1 |
| Napl tl alene | ND | Bg7L | 03A0 | 03k6 | E- GKA/ 43 | ND | | 1 |
| nK- ropylbenzene | ND | Bg7L | 03A0 | 0311 | E- GKA/ 43 | ND | | 1 |
| **StQrene** | **0d42** | **uOU** | **0dh0** | **0d0/ 9** | **A( 6 -h34d3** | ND | **#** | 1 |
| 1P1P1P/ KTetracl loroetl ane | ND | Bg7L | 03A0 | 031d | E- GKA/ 43 | ND | | 1 |
| 1P1P/ P/ KTetracl loroetl ane | ND | Bg7L | 03A0 | 031j | E- GKA/ 43 | ND | | 1 |
| Tetracl loroetl ene | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| **Toluene** | **, d3** | **uOU** | **0dh0** | **0d082** | **A( 6 -h34d3** | ND | | 1 |
| 1P/ RkKTricl lorobenzene | ND | Bg7L | 03A0 | 0316 | E- GKA/ 43 | ND | | 1 |
| 1P/ P4KTricl lorobenzene | ND | Bg7L | 03A0 | 0319 | E- GKA/ 43 | ND | | 1 |
| 1P1P1KTricl loroetl ane | ND | Bg7L | 03A0 | 0311 | E- GKA/ 43 | ND | | 1 |
| 1P1P/ KTricl loroetl ane | ND | Bg7L | 03A0 | 0316 | E- GKA/ 43 | ND | | 1 |
| Tricl loroetl ene | ND | Bg7L | 03A0 | 030dA | E- GKA/ 43 | ND | | 1 |
| Tricl loroflBorometl ane | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| 1P/ RkKTricl loropropane | ND | Bg7L | 130 | 03/ 4 | E- GKA/ 43 | ND | | 1 |
| 1P1P/ KTricl loroK1P/ P/ KriflBoroetl ane | ND | Bg7L | 03A0 | 031A | E- GKA/ 43 | ND | | 1 |
| 1P/ P4KTrimetl ylbenzene | ND | Bg7L | 03A0 | 031/ | E- GKA/ 43 | ND | | 1 |
| 1RkPAKTrimetl ylbenzene | ND | Bg7L | 03A0 | 031/ | E- GKA/ 43 | ND | | 1 |
| Vinyl cl lori. e | ND | Bg7L | 03A0 | 031/ | E- GKA/ 43 | ND | | 1 |
| Gcetone | ND | Bg7L | 10 | 436 | E- GKA/ 43 | ND | | 1 |
| Gcrylonitrile | ND | Bg7L | A30 | 13/ | E- GKA/ 43 | ND | V01P/11 | 1 |
| Gllyl cl lori. e | ND | Bg7L | A30 | 03d0 | E- GKA/ 43 | ND | | 1 |
| tKGmyl Metl yl etl er | ND | Bg7L | 03A0 | 03/ A | E- GKA/ 43 | ND | | 1 |
| tKOBtyl alcol ol | ND | Bg7L | 10 | 934 | E- GKA/ 43 | ND | | 1 |
| , arbon . isBlfi. e | ND | Bg7L | 130 | 03kd | E- GKA/ 43 | ND | | 1 |
| transK1P4KDicl loroK KoBtene | ND | Bg7L | A30 | 134 | E- GKA/ 43 | ND | | 1 |

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- roVct Manager: 2ason Sapp

# y olatile VrOanig 6 nalQsis cA( 6 MetEoP h34d3.

**7 C: Sample Iv F** 141914dK0/ | **Client Sample GameF** MirokkPd71d7/ 014 9:4A:00GM

| Constituent | Result | x nits | ( 5 : | Mv : | MetEoP | M7 7 ias | : ab 5 uals | Run B |
|---|---|---|---|---|---|---|---|---|
| Etl yl metl acrylate | ND | Bg7L | 430 | 039j | E- GkA/ 43 | ND | | 1 |
| Etl yl tK6Btyl etl er | ND | Bg7L | 03A0 | 031d | E- GkA/ 43 | ND | | 1 |
| / K-Hexanone | ND | Bg7L | 10 | k34 | E- GkA/ 43 | ND | | 1 |
| Metl acrylonitrile | ND | Bg7L | 10 | 13j | E- GkA/ 43 | ND | | 1 |
| Metl yl etl yl hetone | ND | Bg7L | 10 | / 3A | E- GkA/ 43 | ND | | 1 |
| Metl yl io. i. e | ND | Bg7L | / 30 | 034j | E- GkA/ 43 | ND | | 1 |
| Metl yl isobBtyl hetone | ND | Bg7L | 10 | / 31 | E- GkA/ 43 | ND | | 1 |
| Metl yl metl acrylate | ND | Bg7L | A30 | 13A | E- GkA/ 43 | ND | | 1 |
| Nitrobenzene | ND | Bg7L | k0 | 1k | E- GkA/ 43 | ND | V11 | 1 |
| - entacl loroetl ane | ND | Bg7L | / 30 | 034k | E- GkA/ 43 | ND | V01PV11 | 1 |
| - ropionitrile | ND | Bg7L | / 0 | 43 | E- GkA/ 43 | ND | | 1 |
| Tetral y. rofBran | ND | Bg7L | / 0 | A3 | E- GkA/ 43 | ND | | 1 |
| **p- k m-XQlenes** | **0d4h** | **uOU** | **0dh0** | **0d39** | **A( 6 -h34d3** | ND | **#** | 1 |
| **o-XQlene** | **0dh,** | **uOU** | **0dh0** | **0d093** | **A( 6 -h34d3** | ND | | 1 |
| 1P/ kOicl loroetl aneK 4 )SBrrogateF | 10j | % | j A K1/ A )L, L K( , LF | | E- GkA/ 43 | | | 1 |
| TolBeneK d )SBrrogateF | 10k | % | d0 K1/ 0 )L, L K( , LF | | E- GkA/ 43 | | | 1 |
| 4KOromofIBorobenzene )SBrrogateF | dd3A | % | d0 K1/ 0 )L, L K( , LF | | E- GkA/ 43 | | | 1 |

| Run B | MetEoP | ( rep v ate | Run v ateUTime | 6 nalQst | Instrument | v ilution | 5 C 7 atgE Iv |
|---|---|---|---|---|---|---|---|
| 1 | E- GkA/ 43 | 0d7 k714 | 0d7 47/14 0k:k/ | 2, , | MSK/14 | 1 | OXH/ 1d9 |

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ReportePF 097097/ 014 10:A9
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- roVct NBmber: / 01k3 0010
- roVct Manager: 2ason Sapp

# ) ater 6 nalQsis dWeneral CEemistrQ

| 7 C: Sample Iv F | 141914dK0/ | Client Sample GameF | MirokkPd7Id7/ 014 9:4A:00GM |
|---|---|---|---|

| Constituent | Result | x nits | ( 5 : | Mv : | MetEoP | M7 7 ias | : ab 5 uals | Run B |
|---|---|---|---|---|---|---|---|---|
| ( ergElorate | hc2 | uOU | 4d0 | 0d4h | A( 6 -214d0 | ND | | 1 |

| Run B | MetEoP | ( rep v ate | Run v ateUTime | 6 nalQst | Instrument | v ilution | 5 C 7 atgE Iv |
|---|---|---|---|---|---|---|---|
| 1 | E- GKk1430 | 0970j 714 | 0970j 714 1d:/ A | LD1 | q 6 | 1 | OXq06A9 |

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ReportePF 097097/014 10:A9
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- roVect Manager: 2ason Sapp

# y olatile VrOanig 6 nalQsis cA( 6 MetEoP h34d3.

7 C: Sample Iv F 141914dK0k | Client Sample GameF Q, GOPd71d7/014 1/ :00:00GM

| Constituent | Result | x nits | ( 5 : | Mv : | MetEoP | M7 7 ias | : ab 5 uals | Run B |
|---|---|---|---|---|---|---|---|---|
| Oenzene | ND | Bg7L | 03A0 | 030dk | E- GKA/ 43 | ND | | 1 |
| Oromobenzene | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| Oromocl lorometl ane | ND | Bg7L | 03A0 | 03/ 4 | E- GKA/ 43 | ND | | 1 |
| Oromo. icl lorometl ane | ND | Bg7L | 03A0 | 0314 | E- GKA/ 43 | ND | | 1 |
| Oromoform | ND | Bg7L | 03A0 | 03/ j | E- GKA/ 43 | ND | | 1 |
| Oromometl ane | ND | Bg7L | 130 | 03/ A | E- GKA/ 43 | ND | | 1 |
| nKOBtylbenzene | ND | Bg7L | 03A0 | 0311 | E- GKA/ 43 | ND | | 1 |
| seckOBtylbenzene | ND | Bg7L | 03A0 | 031A | E- GKA/ 43 | ND | | 1 |
| tertKOBtylbenzene | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| , arbon tetracl lori. e | ND | Bg7L | 03A0 | 031d | E- GKA/ 43 | ND | | 1 |
| , l lorobenzene | ND | Bg7L | 03A0 | 0309k | E- GKA/ 43 | ND | | 1 |
| , l loroetl ane | ND | Bg7L | 03A0 | 0314 | E- GKA/ 43 | ND | | 1 |
| , l loroform | ND | Bg7L | 03A0 | 031/ | E- GKA/ 43 | ND | | 1 |
| , l lorometl ane | ND | Bg7L | 03A0 | 0314 | E- GKA/ 43 | ND | | 1 |
| / K, l lorotolBene | ND | Bg7L | 03A0 | 03/ 0 | E- GKA/ 43 | ND | | 1 |
| 4K, l lorotolBene | ND | Bg7L | 03A0 | 031A | E- GKA/ 43 | ND | | 1 |
| Dibromocl lorometl ane | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| 1P/ KDibromoKkKcl loropropane | ND | Bg7L | 130 | 0344 | E- GKA/ 43 | ND | | 1 |
| 1P/ KDibromoetl ane | ND | Bg7L | 03A0 | 0316 | E- GKA/ 43 | ND | | 1 |
| Dibromometl ane | ND | Bg7L | 03A0 | 03/ 4 | E- GKA/ 43 | ND | | 1 |
| 1P/ KDicl lorobenzene | ND | Bg7L | 03A0 | 030j / | E- GKA/ 43 | ND | | 1 |
| 1PkKDicl lorobenzene | ND | Bg7L | 03A0 | 031A | E- GKA/ 43 | ND | | 1 |
| 1P4KDicl lorobenzene | ND | Bg7L | 03A0 | 0306/ | E- GKA/ 43 | ND | | 1 |
| Dicl loro. iflBorometl ane | ND | Bg7L | 03A0 | 03099 | E- GKA/ 43 | ND | | 1 |
| 1P1KDicl loroetl ane | ND | Bg7L | 03A0 | 0311 | E- GKA/ 43 | ND | | 1 |
| 1P/ KDicl loroetl ane | ND | Bg7L | 03A0 | 031j | E- GKA/ 43 | ND | | 1 |
| 1P1KDicl loroetl ene | ND | Bg7L | 03A0 | 031d | E- GKA/ 43 | ND | | 1 |
| cisK1P/ KDicl loroetl ene | ND | Bg7L | 03A0 | 030dA | E- GKA/ 43 | ND | | 1 |
| transK1P/ KDicl loroetl ene | ND | Bg7L | 03A0 | 031A | E- GKA/ 43 | ND | | 1 |
| 1P/ KDicl loropropane | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| 1PkKDicl loropropane | ND | Bg7L | 03A0 | 030d6 | E- GKA/ 43 | ND | | 1 |
| / P/ KDicl loropropane | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| 1P1KDicl loropropene | ND | Bg7L | 03A0 | 030dA | E- GKA/ 43 | ND | | 1 |

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**ReportePF** 097097/ 014 10:A9
- roVct: Rialto - ercl lorate qnvestigaton
- roVct NBmber: / 01k30010
- roVct Manager: 2ason Sapp

# y olatile VrOanig 6 nalQsis cA( 6 MetEoP h34d3.

**7 C: Sample Iv F** 141914dK0k | **Client Sample GameF** Q, GOPd71d7/ 014 1/ :00:00GM

| Constituent | Result | x nits | ( 5 : | Mv : | MetEoP | M7 7 ias | : ab 5 uals | Run B |
|---|---|---|---|---|---|---|---|---|
| cisK1RkKDicl loropropene | ND | Bg7L | 03A0 | 0314 | E- GKA/ 43 | ND | | 1 |
| transK1RkKDicl loropropene | ND | Bg7L | 03A0 | 030j 9 | E- GKA/ 43 | ND | | 1 |
| Etl ylbenzene | ND | Bg7L | 03A0 | 0309d | E- GKA/ 43 | ND | | 1 |
| Hexacl lorobBta. iene | ND | Bg7L | 03A0 | 031j | E- GKA/ 43 | ND | | 1 |
| qsopropylbenzene | ND | Bg7L | 03A0 | 0314 | E- GKA/ 43 | ND | | 1 |
| pKqsopropyltolBene | ND | Bg7L | 03A0 | 031/ | E- GKA/ 43 | ND | V11 | 1 |
| Metl ylene cl lori. e | ND | Bg7L | 03A0 | 034d | E- GKA/ 43 | ND | | 1 |
| Metl yl tKoBtyl etl er | ND | Bg7L | 03A0 | 0311 | E- GKA/ 43 | ND | | 1 |
| Napl tl alene | ND | Bg7L | 03A0 | 03k6 | E- GKA/ 43 | ND | | 1 |
| nK ropylbenzene | ND | Bg7L | 03A0 | 0311 | E- GKA/ 43 | ND | | 1 |
| Styrene | ND | Bg7L | 03A0 | 0306d | E- GKA/ 43 | ND | | 1 |
| 1P1P1P/ KTetracl loroetl ane | ND | Bg7L | 03A0 | 031d | E- GKA/ 43 | ND | | 1 |
| 1P1P/ P/ KTetracl loroetl ane | ND | Bg7L | 03A0 | 031j | E- GKA/ 43 | ND | | 1 |
| Tetracl loroetl ene | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| TolBene | ND | Bg7L | 03A0 | 0309k | E- GKA/ 43 | ND | | 1 |
| 1P/ RkKTricl lorobenzene | ND | Bg7L | 03A0 | 0316 | E- GKA/ 43 | ND | | 1 |
| 1P/ P4KTricl lorobenzene | ND | Bg7L | 03A0 | 0319 | E- GKA/ 43 | ND | | 1 |
| 1P1P1KTricl loroetl ane | ND | Bg7L | 03A0 | 0311 | E- GKA/ 43 | ND | | 1 |
| 1P1P/ KTricl loroetl ane | ND | Bg7L | 03A0 | 0316 | E- GKA/ 43 | ND | | 1 |
| Tricl loroetl ene | ND | Bg7L | 03A0 | 030dA | E- GKA/ 43 | ND | | 1 |
| Tricl loroflBorometl ane | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| 1P/ RkKTricl loropropane | ND | Bg7L | 130 | 03/ 4 | E- GKA/ 43 | ND | | 1 |
| 1P1P/ KTricl loroK1P/ P/ KriflBoroetl ane | ND | Bg7L | 03A0 | 031A | E- GKA/ 43 | ND | | 1 |
| 1P/ P4KTrimetl ylbenzene | ND | Bg7L | 03A0 | 031/ | E- GKA/ 43 | ND | | 1 |
| 1RkPAKTrimetl ylbenzene | ND | Bg7L | 03A0 | 031/ | E- GKA/ 43 | ND | | 1 |
| Vinyl cl lori. e | ND | Bg7L | 03A0 | 031/ | E- GKA/ 43 | ND | | 1 |
| Gcetone | ND | Bg7L | 10 | 436 | E- GKA/ 43 | ND | | 1 |
| Gcrylonitrile | ND | Bg7L | A30 | 13/ | E- GKA/ 43 | ND | V01P/11 | 1 |
| Gllyl cl lori. e | ND | Bg7L | A30 | 03d0 | E- GKA/ 43 | ND | | 1 |
| tKGmyl Metl yl etl er | ND | Bg7L | 03A0 | 03/ A | E- GKA/ 43 | ND | | 1 |
| tKOBtyl alcol ol | ND | Bg7L | 10 | 934 | E- GKA/ 43 | ND | | 1 |
| , arbon . isBlfi. e | ND | Bg7L | 130 | 03kd | E- GKA/ 43 | ND | | 1 |
| transK1P4KDicl loroK KoBtene | ND | Bg7L | A30 | 134 | E- GKA/ 43 | ND | | 1 |

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**ReportePF** 097097/014 10:A9
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- roVect NBmber: / 01k3 0010
- roVect Manager: 2ason Sapp

# y olatile VrOanig 6 nalQsis cA( 6 MetEoP h34d3.

**7 C: Sample Iv F** 141914dK0k | **Client Sample GameF** Q, GOPd71d7/014 1/ :00:00GM

| Constituent | Result | x nits | ( 5 : | Mv : | MetEoP | M7 7 ias | : ab 5 uals | Run B |
|---|---|---|---|---|---|---|---|---|
| EtI yl metI acrylate | ND | Bg7L | 430 | 039j | E- GkA/ 43 | ND | | 1 |
| EtI yl tK6Btyl etI er | ND | Bg7L | 03A0 | 031d | E- GkA/ 43 | ND | | 1 |
| / KHexanone | ND | Bg7L | 10 | k34 | E- GkA/ 43 | ND | | 1 |
| MetI acrylonitrile | ND | Bg7L | 10 | 13j | E- GkA/ 43 | ND | | 1 |
| MetI yl etI yl hetone | ND | Bg7L | 10 | / 3A | E- GkA/ 43 | ND | | 1 |
| MetI yl io. i. e | ND | Bg7L | / 30 | 034j | E- GkA/ 43 | ND | | 1 |
| MetI yl isobBtyl hetone | ND | Bg7L | 10 | / 31 | E- GkA/ 43 | ND | | 1 |
| MetI yl metI acrylate | ND | Bg7L | A30 | 13A | E- GkA/ 43 | ND | | 1 |
| Nitrobenzene | ND | Bg7L | k0 | 1k | E- GkA/ 43 | ND | V11 | 1 |
| - entacI loroetI ane | ND | Bg7L | / 30 | 034k | E- GkA/ 43 | ND | V01PV11 | 1 |
| - ropionitrile | ND | Bg7L | / 0 | 43 | E- GkA/ 43 | ND | | 1 |
| TetraI y. rofBran | ND | Bg7L | / 0 | A3 | E- GkA/ 43 | ND | | 1 |
| pK& mKXylenes | ND | Bg7L | 03A0 | 03 d | E- GkA/ 43 | ND | | 1 |
| oKXylene | ND | Bg7L | 03A0 | 030d/ | E- GkA/ 43 | ND | | 1 |
| 1P/ KOicI loroetI aneK 4 )SBrrogateF | 11/ | % | j A K1/ A )L, L K( , LF | | E- GkA/ 43 | | | 1 |
| TolBeneK d )SBrrogateF | 101 | % | d0 K1/ 0 )L, L K( , LF | | E- GkA/ 43 | | | 1 |
| 4KOromofIBorobenzene )SBrrogateF | d630 | % | d0 K1/ 0 )L, L K( , LF | | E- GkA/ 43 | | | 1 |

| Run B | MetEoP | ( rep v ate | Run v ateUTime | 6 nalQst | Instrument | v ilution | 5 C 7 atgE Iv |
|---|---|---|---|---|---|---|---|
| 1 | E- GkA/ 43 | 0d7 k714 | 0d7 47/14 0k:AA | 2, , | MSK/14 | 1 | OXH/ 1d9 |

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**ReportePF** 097097/ 014 10:A9
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- roVct Manager: 2ason Sapp

# y olatile VrOanig 6 nalQsis cA( 6 MetEoP h34d3.

**7 C: Sample Iv F** 141914dK04 | **Client Sample GameF** Q, TOPd7 1d7/ 014 1/ :00:00GM

| Constituent | Result | x nits | ( 5 : | Mv : | MetEoP | M7 7 ias | : ab 5 uals | Run B |
|---|---|---|---|---|---|---|---|---|
| Oenzene | ND | Bg7L | 03A0 | 030dk | E- GKA/ 43 | ND | | 1 |
| Oromobenzene | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| Oromocl lorometl ane | ND | Bg7L | 03A0 | 03 4 | E- GKA/ 43 | ND | | 1 |
| Oromo. icl lorometl ane | ND | Bg7L | 03A0 | 0314 | E- GKA/ 43 | ND | | 1 |
| Oromoform | ND | Bg7L | 03A0 | 03 j | E- GKA/ 43 | ND | | 1 |
| Oromometl ane | ND | Bg7L | 130 | 03 A | E- GKA/ 43 | ND | | 1 |
| nKOBtylbenzene | ND | Bg7L | 03A0 | 0311 | E- GKA/ 43 | ND | | 1 |
| seckOBtylbenzene | ND | Bg7L | 03A0 | 031A | E- GKA/ 43 | ND | | 1 |
| tertKOBtylbenzene | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| , arbon tetracl lori. e | ND | Bg7L | 03A0 | 031d | E- GKA/ 43 | ND | | 1 |
| , l lorobenzene | ND | Bg7L | 03A0 | 0309k | E- GKA/ 43 | ND | | 1 |
| , l loroetl ane | ND | Bg7L | 03A0 | 0314 | E- GKA/ 43 | ND | | 1 |
| , l loroform | ND | Bg7L | 03A0 | 031/ | E- GKA/ 43 | ND | | 1 |
| , l lorometl ane | ND | Bg7L | 03A0 | 0314 | E- GKA/ 43 | ND | | 1 |
| / K, l lorotolBene | ND | Bg7L | 03A0 | 03 0 | E- GKA/ 43 | ND | | 1 |
| 4K, l lorotolBene | ND | Bg7L | 03A0 | 031A | E- GKA/ 43 | ND | | 1 |
| Dibromocl lorometl ane | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| 1P7 KDibromoKkKcl loropropane | ND | Bg7L | 130 | 0344 | E- GKA/ 43 | ND | | 1 |
| 1P7 KDibromoetl ane | ND | Bg7L | 03A0 | 0316 | E- GKA/ 43 | ND | | 1 |
| Dibromometl ane | ND | Bg7L | 03A0 | 03 4 | E- GKA/ 43 | ND | | 1 |
| 1P7 KDicl lorobenzene | ND | Bg7L | 03A0 | 030j / | E- GKA/ 43 | ND | | 1 |
| 1PkKDicl lorobenzene | ND | Bg7L | 03A0 | 031A | E- GKA/ 43 | ND | | 1 |
| 1P4KDicl lorobenzene | ND | Bg7L | 03A0 | 0306/ | E- GKA/ 43 | ND | | 1 |
| Dicl loro. iflBorometl ane | ND | Bg7L | 03A0 | 03099 | E- GKA/ 43 | ND | | 1 |
| 1P1KDicl loroetl ane | ND | Bg7L | 03A0 | 0311 | E- GKA/ 43 | ND | | 1 |
| 1P7 KDicl loroetl ane | ND | Bg7L | 03A0 | 031j | E- GKA/ 43 | ND | | 1 |
| 1P1KDicl loroetl ene | ND | Bg7L | 03A0 | 031d | E- GKA/ 43 | ND | | 1 |
| cisK1P7 KDicl loroetl ene | ND | Bg7L | 03A0 | 030dA | E- GKA/ 43 | ND | | 1 |
| transK1P7 KDicl loroetl ene | ND | Bg7L | 03A0 | 031A | E- GKA/ 43 | ND | | 1 |
| 1P7 KDicl loropropane | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| 1PkKDicl loropropane | ND | Bg7L | 03A0 | 030d6 | E- GKA/ 43 | ND | | 1 |
| / P7 KDicl loropropane | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| 1P1KDicl loropropene | ND | Bg7L | 03A0 | 030dA | E- GKA/ 43 | ND | | 1 |

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- roVct Manager: 2ason Sapp

# y olatile VrOanig 6 nalQsis cA( 6 MetEoP h34d3.

**7 C: Sample Iv F** 141914dK04 | **Client Sample GameF** Q, TOPd71d7/ 014 1/ :00:00GM

| Constituent | Result | x nits | ( 5 : | Mv : | MetEoP | M7 7 ias | : ab 5 uals | Run B |
|---|---|---|---|---|---|---|---|---|
| cisK1RkKDicl loropropene | ND | Bg7L | 03A0 | 0314 | E- GKA/ 43 | ND | | 1 |
| transK1RkKDicl loropropene | ND | Bg7L | 03A0 | 030j 9 | E- GKA/ 43 | ND | | 1 |
| Etl ylbenzene | ND | Bg7L | 03A0 | 0309d | E- GKA/ 43 | ND | | 1 |
| Hexacl lorobBta. iene | ND | Bg7L | 03A0 | 031j | E- GKA/ 43 | ND | | 1 |
| qsopropylbenzene | ND | Bg7L | 03A0 | 0314 | E- GKA/ 43 | ND | | 1 |
| pKqsopropyltolBene | ND | Bg7L | 03A0 | 031/ | E- GKA/ 43 | ND | V11 | 1 |
| Metl ylene cl lori. e | ND | Bg7L | 03A0 | 034d | E- GKA/ 43 | ND | | 1 |
| Metl yl tKoBtyl etl er | ND | Bg7L | 03A0 | 0311 | E- GKA/ 43 | ND | | 1 |
| Napl tl alene | ND | Bg7L | 03A0 | 03k6 | E- GKA/ 43 | ND | | 1 |
| nK- ropylbenzene | ND | Bg7L | 03A0 | 0311 | E- GKA/ 43 | ND | | 1 |
| Styrene | ND | Bg7L | 03A0 | 0306d | E- GKA/ 43 | ND | | 1 |
| 1P1P1P/ KTetracl loroetl ane | ND | Bg7L | 03A0 | 031d | E- GKA/ 43 | ND | | 1 |
| 1P1P/ P/ KTetracl loroetl ane | ND | Bg7L | 03A0 | 031j | E- GKA/ 43 | ND | | 1 |
| Tetracl loroetl ene | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| TolBene | ND | Bg7L | 03A0 | 0309k | E- GKA/ 43 | ND | | 1 |
| 1P/ RkKTricl lorobenzene | ND | Bg7L | 03A0 | 0316 | E- GKA/ 43 | ND | | 1 |
| 1P/ P4KTricl lorobenzene | ND | Bg7L | 03A0 | 0319 | E- GKA/ 43 | ND | | 1 |
| 1P1P1KTricl loroetl ane | ND | Bg7L | 03A0 | 0311 | E- GKA/ 43 | ND | | 1 |
| 1P1P/ KTricl loroetl ane | ND | Bg7L | 03A0 | 0316 | E- GKA/ 43 | ND | | 1 |
| Tricl loroetl ene | ND | Bg7L | 03A0 | 030dA | E- GKA/ 43 | ND | | 1 |
| Tricl loroflBorometl ane | ND | Bg7L | 03A0 | 031k | E- GKA/ 43 | ND | | 1 |
| 1P/ RkKTricl loropropane | ND | Bg7L | 130 | 03/ 4 | E- GKA/ 43 | ND | | 1 |
| 1P1P/ KTricl loroK1P/ P/ KriflBoroetl ane | ND | Bg7L | 03A0 | 031A | E- GKA/ 43 | ND | | 1 |
| 1P/ P4KTrimetl ylbenzene | ND | Bg7L | 03A0 | 031/ | E- GKA/ 43 | ND | | 1 |
| 1RkPAKTrimetl ylbenzene | ND | Bg7L | 03A0 | 031/ | E- GKA/ 43 | ND | | 1 |
| Vinyl cl lori. e | ND | Bg7L | 03A0 | 031/ | E- GKA/ 43 | ND | | 1 |
| Gcetone | ND | Bg7L | 10 | 436 | E- GKA/ 43 | ND | | 1 |
| Gcrylonitrile | ND | Bg7L | A30 | 13/ | E- GKA/ 43 | ND | V01P/11 | 1 |
| Gllyl cl lori. e | ND | Bg7L | A30 | 03d0 | E- GKA/ 43 | ND | | 1 |
| tKGmyl Metl yl etl er | ND | Bg7L | 03A0 | 03/ A | E- GKA/ 43 | ND | | 1 |
| tKOBtyl alcol ol | ND | Bg7L | 10 | 934 | E- GKA/ 43 | ND | | 1 |
| , arbon . isBlfi. e | ND | Bg7L | 130 | 03kd | E- GKA/ 43 | ND | | 1 |
| transK1P4KDicl loroK KoBtene | ND | Bg7L | A30 | 134 | E- GKA/ 43 | ND | | 1 |

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- roVect NBmber: / 01k3 0010
- roVect Manager: 2ason Sapp

# y olatile VrOanig 6 nalQsis cA( 6 MetEoP h34d3.

| 7 C: Sample Iv F | 141914dK04 | Client Sample GameF | Q, TOPd7 1d7/ 014 1/ :00:00GM |
|---|---|---|---|

| Constituent | Result | x nits | ( 5 : | Mv : | MetEoP | M7 7 ias | : ab 5 uals | Run B |
|---|---|---|---|---|---|---|---|---|
| EtI yl metI acrylate | ND | Bg7L | 430 | 039j | E- GkA/ 43 | ND | | 1 |
| EtI yl tK6Btyl etI er | ND | Bg7L | 03A0 | 031d | E- GkA/ 43 | ND | | 1 |
| / K-Hexanone | ND | Bg7L | 10 | k34 | E- GkA/ 43 | ND | | 1 |
| MetI acrylonitrile | ND | Bg7L | 10 | 13j | E- GkA/ 43 | ND | | 1 |
| MetI yl etI yl hetone | ND | Bg7L | 10 | / 3A | E- GkA/ 43 | ND | | 1 |
| MetI yl io. i. e | ND | Bg7L | / 30 | 034j | E- GkA/ 43 | ND | | 1 |
| MetI yl isobBtyl hetone | ND | Bg7L | 10 | / 31 | E- GkA/ 43 | ND | | 1 |
| MetI yl metI acrylate | ND | Bg7L | A30 | 13A | E- GkA/ 43 | ND | | 1 |
| Nitrobenzene | ND | Bg7L | k0 | 1k | E- GkA/ 43 | ND | V11 | 1 |
| - entacI loroetI ane | ND | Bg7L | / 30 | 034k | E- GkA/ 43 | ND | V01PV11 | 1 |
| - ropionitrile | ND | Bg7L | / 0 | 43 | E- GkA/ 43 | ND | | 1 |
| TetraI y. rofBran | ND | Bg7L | / 0 | A3 | E- GkA/ 43 | ND | | 1 |
| pK& mK-Xylenes | ND | Bg7L | 03A0 | 03 d | E- GkA/ 43 | ND | | 1 |
| oK-Xylene | ND | Bg7L | 03A0 | 030d/ | E- GkA/ 43 | ND | | 1 |
| 1P/ KOicI loroetI aneK 4 )SBrrogateF | 106 | % | j A K1/ A )L, L K( , LF | | E- GkA/ 43 | | | 1 |
| TolBeneK d )SBrrogateF | 100 | % | d0 K1/ 0 )L, L K( , LF | | E- GkA/ 43 | | | 1 |
| 4KOromofIBorobenzene )SBrrogateF | d/ 30 | % | d0 K1/ 0 )L, L K( , LF | | E- GkA/ 43 | | | 1 |

| Run B | MetEoP | ( rep v ate | Run v ateUTime | 6 nalQst | Instrument | v ilution | 5 C 7 atgE Iv |
|---|---|---|---|---|---|---|---|
| 1 | E- GkA/ 43 | 0d7 k714 | 0d7 47/14 0/ :4A | 2, , | MSK/14 | 1 | OXH/ 1d9 |

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- roVect Manager: 2ason Sapp

# y olatile VrOanig 6 nalQsis cA( 6 MetEoP h34c3.

## 5 ualitQ Control Report - MetEoP 7 lanH 6 nalQsis

| Constituent | 5 C Sample Iv | M7 Result | x nits | ( 5 : | Mv : | : ab 5 uals |
|---|---|---|---|---|---|---|
| **5 C 7 atgE Iv F 7 XK3198** | | | | | | |
| Oenzene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 030dk | |
| Oromobenzene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031k | |
| OromocI lorometI ane | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 03/ 4 | |
| Oromo. icI lorometI ane | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 0314 | |
| Oromoform | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 03/ j | |
| OromometI ane | OXH/ 1d9KOLU1 | ND | Bg7L | 130 | 03/ A | |
| nKOBtylbenzene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 0311 | |
| secKOBtylbenzene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031A | |
| tertKOBtylbenzene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031k | |
| , arbon tetracI lori. e | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031d | |
| , I lorobenzene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 0309k | |
| , I loroetI ane | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 0314 | |
| , I loroform | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031/ | |
| , I lorometI ane | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 0314 | |
| / K, I lorotolBene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 03/ 0 | |
| 4K, I lorotolBene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031A | |
| DibromocI lorometI ane | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031k | |
| 1P? KOibromoKkKcI loropropane | OXH/ 1d9KOLU1 | ND | Bg7L | 130 | 0344 | |
| 1P? KOibromoetI ane | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 0316 | |
| DibromometI ane | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 03/ 4 | |
| 1P? KOicI lorobenzene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 030j / | |
| 1PRKOicI lorobenzene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031A | |
| 1P4KOicI lorobenzene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 0306/ | |
| DicI loro. iflBorometI ane | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 03099 | |
| 1P1KOicI loroetI ane | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 0311 | |
| 1P? KOicI loroetI ane | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031j | |
| 1P1KOicI loroetI ene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031d | |
| cisK1P? KOicI loroetI ene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 030dA | |
| transK1P? KOicI loroetI ene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031A | |
| 1P? KOicI loropropane | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031k | |
| 1PRKOicI loropropane | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 030d6 | |
| / P? KOicI loropropane | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031k | |
| 1P1KOicI loropropene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 030dA | |
| cisK1PRKOicI loropropene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 0314 | |

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- roVct Manager: 2ason Sapp

# y olatile VrOanig 6 nalQsis cA( 6 MetEoP h34c3.

## 5 ualitQ Control Report - MetEoP 7 lanH 6 nalQsis

| Constituent | 5 C Sample Iv | M7 Result | x nits | ( 5 : | Mv : | : ab 5 uals |
|---|---|---|---|---|---|---|
| **5 C 7 atgE Iv F 7 XK3198** | | | | | | |
| transK1RkKDicl loropropene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 030j 9 | |
| Etl ylbenzene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 0309d | |
| Hexacl lorobBta. iene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031j | |
| qsopropylbenzene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 0314 | |
| pKqsopropyltolBene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031/ | |
| Metl ylene cl lori. e | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 034d | |
| Metl yl tK6Btyl etl er | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 0311 | |
| Napl tl alene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 03k6 | |
| nK ropylbenzene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 0311 | |
| Styrene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 0306d | |
| 1P1P1P KTetracl loroetl ane | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031d | |
| 1P1P P KTetracl loroetl ane | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031j | |
| Tetracl loroetl ene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031k | |
| TolBene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 0309k | |
| 1P RkKTricl lorobenzene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 0316 | |
| 1P P4KTricl lorobenzene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 0319 | |
| 1P1P1KTricl loroetl ane | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 0311 | |
| 1P1P KTricl loroetl ane | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 0316 | |
| Tricl loroetl ene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 030dA | |
| Tricl loroflBorometl ane | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031k | |
| 1P RkKTricl loropropane | OXH/ 1d9KOLU1 | ND | Bg7L | 130 | 03/ 4 | |
| 1P1P KTricl loroK1P P KriflBoroetl ane | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031A | |
| 1P P4KTrimetl ylbenzene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031/ | |
| 1RkP4KTrimetl ylbenzene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031/ | |
| Vinyl cl lori. e | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031/ | |
| Gcetone | OXH/ 1d9KOLU1 | ND | Bg7L | 10 | 436 | |
| Gcrylonitrile | OXH/ 1d9KOLU1 | ND | Bg7L | A30 | 13/ | |
| Gllyl cl lori. e | OXH/ 1d9KOLU1 | ND | Bg7L | A30 | 031d0 | |
| tKGmyl Metl yl etl er | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 03/ A | |
| tKOBtyl alcol ol | OXH/ 1d9KOLU1 | ND | Bg7L | 10 | 934 | |
| , arbon . isBlfi. e | OXH/ 1d9KOLU1 | ND | Bg7L | 130 | 03kd | |
| transK1P4KDicl lorok K6Btene | OXH/ 1d9KOLU1 | ND | Bg7L | A30 | 134 | |
| Etl yl metl acrylate | OXH/ 1d9KOLU1 | ND | Bg7L | 430 | 039j | |
| Etl yl tK6Btyl etl er | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 031d | |

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# y olatile VrOanig 6 nalQsis cA( 6 MetEoP h34c3.

## 5 ualitQ Control Report - MetEoP 7 lanH 6 nalQsis

| Constituent | 5 C Sample lv | M7 Result | x nits | ( 5 : | Mv : | : ab 5 uals |
|---|---|---|---|---|---|---|
| **5 C 7 atgE lv F 7 XK3198** | | | | | | |
| / K-Hexanone | OXH/ 1d9KOLU1 | ND | Bg7L | 10 | k34 | |
| Metl acrylonitrile | OXH/ 1d9KOLU1 | ND | Bg7L | 10 | 13j | |
| Metl yl etl yl hetone | OXH/ 1d9KOLU1 | ND | Bg7L | 10 | / 3A | |
| Metl yl io. i. e | OXH/ 1d9KOLU1 | ND | Bg7L | / 30 | 034j | |
| Metl yl isobBtyl hetone | OXH/ 1d9KOLU1 | ND | Bg7L | 10 | / 31 | |
| Metl yl metl acrylate | OXH/ 1d9KOLU1 | ND | Bg7L | A30 | 13A | |
| Nitrobenzene | OXH/ 1d9KOLU1 | ND | Bg7L | k0 | 1k | |
| - entacl loroetl ane | OXH/ 1d9KOLU1 | ND | Bg7L | / 30 | 034k | |
| - ropionitrile | OXH/ 1d9KOLU1 | ND | Bg7L | / 0 | 43 | |
| Tetral y. rofBran | OXH/ 1d9KOLU1 | ND | Bg7L | / 0 | A3 | |
| pK& mKXylenes | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 03 d | |
| oKXylene | OXH/ 1d9KOLU1 | ND | Bg7L | 03A0 | 030d/ | |
| **1z3-v igEloroetEane-P4 cSurroOate.** | **7 XK3198-7 : &1** | **10h** | % | | **, h - 13h c C: - x C: .** | |
| **Toluene-P9 cSurroOate.** | **7 XK3198-7 : &1** | **88dh** | % | | **90 - 130 c C: - x C: .** | |
| **4-7 romofluorobenJene cSurroOate.** | **7 XK3198-7 : &1** | **9/ d** | % | | **90 - 130 c C: - x C: .** | |

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# y olatile VrOanig 6 nalQsis cA( 6 MetEoP h34c3.

## 5 ualitQ Control Report - : aboratorQ Control Sample

| Constituent | 5 C Sample Iv | TQpe | Result | SpiHe : ej el | x nits | ( ergent Regoj erQ | R( v | Control : imits ( ergent Regoj erQ | R( v | : ab 5 uals |
|---|---|---|---|---|---|---|---|---|---|---|
| **5 C 7 atgE Iv F 7 XK3198** | | | | | | | | | | |
| Oenzene | OXH/ 1d9KOS1 | L, S | / 936A0 | / A3000 | Bg7L | 119 | | j 0 K1k0 | | |
| Oromo. icI lorometI ane | OXH/ 1d9KOS1 | L, S | / 13/ Ak | / A3000 | Bg7L | dA30 | | j 0 K1k0 | | |
| , I lorobenzene | OXH/ 1d9KOS1 | L, S | / 03, 01 | / A3000 | Bg7L | d/ 3d | | j 0 K1k0 | | |
| , I loroetI ane | OXH/ 1d9KOS1 | L, S | k13A/ d | / A3000 | Bg7L | 1/ 6 | | j 0 K1k0 | | |
| 1P4KOicI lorobenzene | OXH/ 1d9KOS1 | L, S | / 03k/ j | / A3000 | Bg7L | d13k | | j 0 K1k0 | | |
| 1P1KOicI loroetI ane | OXH/ 1d9KOS1 | L, S | / j 3/ 61 | / A3000 | Bg7L | 109 | | j 0 K1k0 | | |
| 1P1KOicI loroetI ene | OXH/ 1d9KOS1 | L, S | / 636k9 | / A3000 | Bg7L | 10j | | j 0 K1k0 | | |
| TolBene | OXH/ 1d9KOS1 | L, S | / k3, 1A | / A3000 | Bg7L | 943 9 | | j 0 K1k0 | | |
| TricI loroetI ene | OXH/ 1d9KOS1 | L, S | / A3, 66 | / A3000 | Bg7L | 10k | | j 0 K1k0 | | |
| 1P? KOicI loroetI aneK 4 )SBrrogateF | OXH/ 1d9KOS1 | L, S | 93d400 | 103000 | Bg7L | 9d34 | | j A K1/ A | | |
| TolBeneK d )SBrrogateF | OXH/ 1d9KOS1 | L, S | 103k/ 0 | 103000 | Bg7L | 10k | | d0 K1/ 0 | | |
| 4KOromoflBorobenzene )SBrrogateF | OXH/ 1d9KOS1 | L, S | 939000 | 103000 | Bg7L | 993 0 | | d0 K1/ 0 | | |

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- roVect Manager: 2ason Sapp

# y olatile VrOanig 6 nalQsis cA( 6 MetEoP h34c3.

## 5 ualitQ Control Report - ( regision k 6 gguragQ

| Constituent | TQpe | Sourge Sample Iv | Sourge Result | Result | SpiHe 6 PPeP | x nits | R( v | ( ergent Regoj erQ | R( v | Control : imits ( ergent Regoj erQ | : ab 5 uals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **5 C 7 atgE Iv F 7 XK3198** | ( se. client sample: N | | | | | | | | | | |
| **7 enJene** | MS | **1419922-01** | **Gv** | **21d / /** | **3hd000** | **uOU** | | **13,** | | **, 0 - 120** | |
| | MSD | **1419922-01** | **Gv** | **22d013** | **3hd000** | **uOU** | **4d8** | **123** | **30** | **, 0 - 120** | **5 02** |
| Oromo. icI lorometI ane | MS | 141ddkkK01 | ND | / 13j j 0 | / A3000 | Bg7L | | dj 3I | | j 0 K1k0 | |
| | MSD | 141ddkkK01 | ND | / / 391k | / A3000 | Bg7L | A3I | 913j | / 0 | j 0 K1k0 | |
| , I lorobenzene | MS | 141ddkkK01 | ND | / 1300/ | / A3000 | Bg7L | | d430 | | j 0 K1k0 | |
| | MSD | 141ddkkK01 | ND | / 139j k | / A3000 | Bg7L | 43A | dj 39 | / 0 | j 0 K1k0 | |
| **CEloroetEane** | MS | **1419922-01** | **Gv** | **2hd, 20** | **3hd000** | **uOU** | | **142** | | **, 0 - 120** | **5 02** |
| | MSD | **1419922-01** | **Gv** | **2, d14** | **3hd000** | **uOU** | **2d9** | **149** | **30** | **, 0 - 120** | **5 02** |
| 1P4KDicI lorobenzene | MS | 141ddkkK01 | ND | / 030kA | / A3000 | Bg7L | | d03I | | j 0 K1k0 | |
| | MSD | 141ddkkK01 | ND | / 13I96 | / A3000 | Bg7L | A36 | d43d | / 0 | j 0 K1k0 | |
| 1P1KDicI loroetI ane | MS | 141ddkkK01 | ND | / 9304k | / A3000 | Bg7L | | 116 | | j 0 K1k0 | |
| | MSD | 141ddkkK01 | ND | k03440 | / A3000 | Bg7L | 43j | 1/ / | / 0 | j 0 K1k0 | |
| 1P1KDicI loroetI ene | MS | 141ddkkK01 | ND | / j 3dj k | / A3000 | Bg7L | | 111 | | j 0 K1k0 | |
| | MSD | 141ddkkK01 | ND | / d3j 0d | / A3000 | Bg7L | k30 | 11A | / 0 | j 0 K1k0 | |
| TolBene | MS | 141ddkkK01 | ND | / 43I / / | / A3000 | Bg7L | | 963A | | j 0 K1k0 | |
| | MSD | 141ddkkK01 | ND | / A344j | / A3000 | Bg7L | A3k | 10/ | / 0 | j 0 K1k0 | |
| TricI loroetI ene | MS | 141ddkkK01 | ND | / / 3940 | / A3000 | Bg7L | | 913d | | j 0 K1k0 | |
| | MSD | 141ddkkK01 | ND | / 43I44 | / A3000 | Bg7L | A3I | 963 6 | / 0 | j 0 K1k0 | |
| 1P/KDicI loroetI aneK 4 )SBrrogateF | MS | 141ddkkK01 | ND | 93Ad00 | 1030 00 | Bg7L | | 9A3d | | j A K1/ A | |
| | MSD | 141ddkkK01 | ND | 934100 | 1030 00 | Bg7L | 13d | 943I | | j A K1/ A | |
| TolBeneK d )SBrrogateF | MS | 141ddkkK01 | ND | 103Ak0 | 1030 00 | Bg7L | | 10A | | d0 K1/ 0 | |
| | MSD | 141ddkkK01 | ND | 103k/ 0 | 1030 00 | Bg7L | / 30 | 10k | | d0 K1/ 0 | |
| 4KOromoflBorobenzene )SBrrogateF | MS | 141ddkkK01 | ND | 939900 | 1030 00 | Bg7L | | 9939 | | d0 K1/ 0 | |
| | MSD | 141ddkkK01 | ND | 939j 00 | 1030 00 | Bg7L | 03I | 993j | | d0 K1/ 0 | |

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- roVct Manager: 2ason Sapp

# ) ater 6 naIQsis dWeneral CEemistrQ

## 5 ualitQ Control Report - MetEoP 7 lanH 6 naIQsis

| Constituent | 5 C Sample lv | M7 Result | x nits | ( 5 : | Mv : | : ab 5 uals |
|---|---|---|---|---|---|---|
| **5 C 7 atgE lv F 7 XI0/ h8** | | | | | | |
| - ercI lorate | OXq06A9KOLU1 | ND | Bg7L | 430 | 034A | |

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ReportePF 097097/ 014 10:A9
- roVect: Rialto - ercI lorate qnvestigaton
- roVct NBmber: / 01k3 0010
- roVct Manager: 2ason Sapp

# ) ater 6 nalQsis dWeneral CEemistrQ

## 5 ualitQ Control Report - : aboratorQ Control Sample

| Constituent | 5 C Sample Iv | TQpe | Result | SpiHe : ej el | x nits | ( ergent Regoj erQ | R( v | Control : imits ( ergent Regoj erQ | R( v | : ab 5 uals |
|---|---|---|---|---|---|---|---|---|---|---|
| **5 C 7 atgE Iv F 7 XI0/ h8** | | | | | | | | | | |
| - ercI lorate | OXq06A9KOS1 | L, S | 1134/ A | 103000 | Bg7L | 114 | | dA K11A | | |

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| | |
|---|---|
| J eologic Gssociates<br>/ A0 8 3Cirst St3SBite / / d<br>, laremontP, G 91j 11 | **ReportePF** 097097/ 014 10:A9<br>- roVct: Rialto - ercl lorate qnvestigaton<br>- roVct NBmber: / 01k3 0010<br>- roVct Manager: 2ason Sapp |

# ) ater 6 nalQsis cWeneral CEemistrQ

## 5 ualitQ Control Report - ( regision k 6 gguragQ

| Constituent | TQpe | Sourge Sample Iv | Sourge Result | Result | SpiHe 6 PPeP | x nits | R( v | ( ergent Regoj erQ | Control : imits R( v | ( ergent Regoj erQ | : ab 5 uals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **5 C 7 atgE Iv F 7 XI0/ h8** | ( se. client sample: N | | | | | | | | | | |
| - ercl lorate | D( - | 41d9/ 1K01RE´ | 430kk0 | k39Adj | | Bg7L | 139 | | 1A | | 2 |
| | MS | 41d9/ 1K01RE´ | 430kk0 | 143j 49 | 103l01 | Bg7L | | 106 | | d0 K1/ 0 | |
| | MSD | 41d9/ 1K01RE´ | 430kk0 | 143j j 0 | 103l01 | Bg7L | 03l | 106 | 1A | d0 K1/ 0 | |

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| | |
|---|---|
| J eologic Gssociates<br>/ A0 8 3Cirst St3SBite / / d<br>, laremontP, G 91j 11 | **ReportePF** 097097/ 014 10:A9<br>- roVect: Rialto - ercI lorate qnvestigaton<br>- roVect NBmber: / 01k3 0010<br>- roVect Manager: 2ason Sapp |

## Gotes 6 nP v efinitions

| | |
|---|---|
| 2 | Estimate. ValBe ), L- ClagF |
| MDL | MetI o. Detection Limit |
| ND | Gnalyte Not Detecte. at or above tI e reporting limit |
| - QL | - ractical QBantitation Limit |
| R- D | Relative - ercent Difference |
| Q0k | Matrix spihe recovery)sFis)areFnot witI in tI e control limits3 |
| V01 | TI e qnitial , alibration Verification )q VFrecovery is not witI in establisI e. control limits3 |
| V11 | TI e , ontinBing , alibration Verification ), , VFrecovery is not witI in establisI e. control limits3 |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*
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*Appendix B*

*Field Logs*

# WELL GAUGING DATA

Project # 140825-EV1 Date 8/25/14 Client ERM

Site B. F. 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| PW-1 | 1535 | 4 | | | | | 435.70 | 476.76 | | Possibly paved over |
| PW-2 | 1430 | 4 | | | | | 455.64 | 496.72 | | |
| PW-2A | 1447 | 2 | | | | | Dry | | | unable to get DTB |
| PW-3 | 1330 | 4 | | | | | 445.34 | 497.90 | | |
| PW-3A | 1405 | 2 | | | | | Dry | 602.79 | | |
| PW-4 | 1435 | 4 | | | | | 460.44 | | | unable to get DTB |
| PW-4A | 1400 | 2 | | | | | Dry | 645.93 | | |
| EPA-MW-9A | 0935 | 3 | | | | | 479.42 | 548.64 | | |
| EPA-MW-9B | 0920 | 3 | | | | | 479.55 | 744.63 | | |
| Rialto 1 | 1215 | 2 | | | | | 565.10 | | | unable to get DTB |
| Rialto 2 | 1135 | 2 | | | | | 443.43 | | | well is over 1000' |
| IN/SW-34D25 | 0730 | 2 | | | | | 498.46 | 769.45 | | |
| IN/SW-34D35 | 0746 | 2 | | | | | 498.32 | 610.10 | | |
| CMW-02a | 1038 | 2 | | | | | Dry | 450.63 | | |
| CMW-02b | 1048 | 2 | | | | | 466.77 | 490.41 | | |
| CMW-02c | 1059 | 2 | | | | | 472.98 | 530.00 | | |
| EMW-01A | 1445 | 3 | | | | | 423.10 | | | unable to get DTB |

# WELL GAUGING DATA

Project # 140825-EM Date 8/25/14 Client ERM

Site B. F. 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| EMW-01B | 1115 | 3 | | | | | 422.93 | 566.24 | | |
| EMW-03A | 1309 | 3 | | | | | 437.36 | ~~427.3~~ 397.30 | | |
| EMW-03B | 1455 | 3 | | | | | 527.00 | 569.11 | | |
| EMW-03C | 1336 | 3 | | | | | 527.02 | | | unable to get DTB |
| EMW-04A | 1100 | 3 | | | | | 417.62 | 457.72 | | |
| EMW-04B | 1220 | 3 | | | | | 573.49 | | | unable to get DTB |
| EMW-04C | 1000 | 3 | | | | | 573.47 | ≈700 | | unable to get water level |
| EMW-05A | 0849 | 3 | | | | | 425.17 | 458.84 | | |
| EMW-05B | 0740 | 3 | | | | | 596.40 | 622.76 | | |
| EMW-05C | 0815 | 3 | | | | | 596.54 | 728.04 | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

# WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 140825-EV1 | Client: ERM |
| Sampler: E. Vail | Date: 8/26/14 |
| Well I.D.: PW-2 | Well Diameter: 2 3 (4) 6 8 ___ |
| Total Well Depth (TD): 496.72 | Depth to Water (DTW): 455.64 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: — | |

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

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

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

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

| Time | Temp (°F or °C) | pH | Cond. (mS or µS) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| ~ | Set Hydrasleeve to 475' @ 1445 | | | | | ~ |
| | | | | | | |
| | | | | | | |
| | | | | | | DO / ORP |
| 0930 | 19.4 | 7.47 | 566 | 19 | — | 7.15 / 126.4 |

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

Sampling Date: 8/28/14 Sampling Time: 0930 Depth to Water: 455.64

Sample I.D.: PW-2-475-GW-28/08/2014 Laboratory: Kiff CalScience Other Accutest

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 #: 140825-EV1 | Client: ERM |
| Sampler: E. Van | Date: 8/25/14 |
| Well I.D.: PW-3 | Well Diameter: 2 3 (4) 6 8 ___ |
| Total Well Depth (TD): 497.90 | Depth to Water (DTW): 445.34 |
| 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 490' | @ 1355 | — | |
| | | | | | | |
| | | | | | | |
| | | | | | | DO ORP |
| 1430 | 24.7 | 7.40 | 6116 | 9 | — | 4.90 / 74.1 |

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

Sampling Date: 8/28/14 Sampling Time: 1430 Depth to Water: 445.34

Sample I.D.: PW-3-490-GW-28/08/2014 Laboratory: Kiff CalScience (Other) Accutest

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

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

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

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

# WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 140825-EV1 | Client: ERM |
| Sampler: E. Vail | Date: 8/28/14 |
| Well I.D.: PW-4 | Well Diameter: 2 3 (4) 6 8 ____ |
| Total Well Depth (TD): | Depth to Water (DTW): 460.44 |
| 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 490' @ 1440 | | | | | — |
| | | | | | | |
| | | | | | | |
| | | | | | | DO / ORP |
| 1455 | 25.6 | 7.33 | 496 | 15 | — | 4.53 / 82.5 |

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

Sampling Date: 8/28/14 Sampling Time: 1455 Depth to Water: 460.44

Sample I.D.: PW-4-490-GW-28/08/2014 Laboratory: Kiff CalScience Other (Accutest)

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

~~EB I.D.~~ FB (if applicable): 28082014FB-2 @ Time 1540 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 #: 140825-EN1 | Client: ERM |
| Sampler: E Nail | Date: 8/26/14 |
| Well I.D.: PW-4A | Well Diameter: (2) 3 4 6 8 ____ |
| Total Well Depth (TD): 645.93 | Depth to Water (DTW): Dry |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: | |

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

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

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

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

| Time | Temp (°F or °C) | pH | Cond. (mS or µS) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| — | well is Dry | | | — | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| — | 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 #: 140825-EV1 | Client: ERM |
| Sampler: E. Van | Date: 8/26/14 |
| Well I.D.: EPA-MW-9A | Well Diameter: 2 (3) 4 6 8 ___ |
| Total Well Depth (TD): 548.80 | Depth to Water (DTW): 479.45 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): (YSI) HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: | |

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

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

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

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

| Time | Temp (°F or (°C)) | pH | Cond. (mS or (µS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| ~ | Set | Hydrasleeve | to 535 | (@ 1020 | | |
| | | | | | | |
| | | | | | | |
| | | | | | | DO ORP |
| 1200 | 24.9 | 10.12 | 273 | 33 | — | 1.79 \| -12.8 |

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

Sampling Date: 8/28/14 Sampling Time: 1200 Depth to Water: 479.45

Sample I.D.: EPA-MW-9A-535-GW-28/08/2014 Laboratory: Kiff CalScience Other Accutest

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

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

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

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

# WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 140825-EV1 | Client: ERM |
| Sampler: E. Vail | Date: 8/26/14 |
| Well I.D.: EPA-MW-9B | Well Diameter: 2 (3) 4 6 8 ___ |
| Total Well Depth (TD): 744.63 | Depth to Water (DTW): 477.55 |
| Depth to Free Product: 7 | 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 725' | @ 1010 | — | |
| | | | | | | |
| | | | | | | |
| | | | | | | DO / ORP |
| 0900 | 19.5 | 8.10 | 357 | 226 | — | 4.63 / 16.0 |

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

Sampling Date: 8/20/14 Sampling Time: 0900 Depth to Water: 477.55

Sample I.D.: EPA-MW-9B-725-GW-20080120140 Laboratory: Kiff CalScience Other Accutest

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 #: 140825-EN | Client: ERM |
| Sampler: E. Neal | Date: 8/26/14 |
| Well I.D.: 1N/5W-34D25 | Well Diameter: (2) 3 4 6 8 ___ |
| Total Well Depth (TD): 769.45 | Depth to Water (DTW): 498.46 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (TOV) ~~PVC~~ Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: — | |

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

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

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

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

| Time | Temp (°F or (°C)) | pH | Cond. (mS or µS) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| ~ | Set Hydrasleeve to 760' @ 0815. Per | | | | | |
| | client changed sample depth to 770' | | | | | |
| | as TD is 769.45'. | | | | | |
| | | | | | | DO / ORP |
| 0745 | 19.7 | 7.32 | 1031 | 17 | — | 4.86 / 199.7 |

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

Sampling Date: 8/28/14 Sampling Time: 0745 Depth to Water: 498.46

Sample I.D.: 1N/5W-34D25-770-GW-28/08/2014 Laboratory: Kiff CalScience (Other) Accutest

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

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

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

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

# WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 140825-EV1 | Client: ERM |
| Sampler: E. Vail | Date: 8/26/14 |
| Well I.D.: 1N/SW-34D35 | Well Diameter: (2) 3 4 6 8 ___ |
| Total Well Depth (TD): 610.10 | Depth to Water (DTW): 498.32 |
| 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 600' | @ 0845 | | ~ |
| | | | | | | |
| | | | | | | |
| | | | | | | DO / ORP |
| 0825 | 18.8 | 7.52 | 444 | 27 | — | 5.83 / 171.2 |

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

Sampling Date: 8/28/14 Sampling Time: 0825 Depth to Water: 498.32

Sample I.D.: 1N/SW-34D35-600-GW-28/08/2014 Laboratory: Kiff CalScience Other (Accutest)

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): 280820140D-2

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 #: 140825-EV1 | Client: ERM |
| Sampler: E. Vail | Date: 8/26/14 |
| Well I.D.: EMW-01A | Well Diameter: 2 (3) 4 6 8 ___ |
| Total Well Depth (TD): | Depth to Water (DTW): 423.10 |
| 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 |
|---|---|---|---|---|---|---|
| 1135 | 22.9 | 8.17 | 275.6 | 29 | — | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| ~ | Reset Hydrasleeve to 470 | | | | 1153 | |

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

Sampling Date: 8/26/14 Sampling Time: 1135 Depth to Water: 423.10

Sample I.D.: EMW-01A-470-GW-~~20~~ 20140826 Laboratory: Kiff CalScience (Other) Accutest

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): 20082014D-1

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 #: 140825-EM | Client: ERM |
| Sampler: E Nail | Date: 8/26/14 |
| Well I.D.: EMW-01B | Well Diameter: 2 (3) 4 6 8 ___ |
| Total Well Depth (TD): 566.24 | Depth to Water (DTW): 422.93 |
| 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 |
|---|---|---|---|---|---|---|
| 1105 | 24.2 | 7.37 | 231.3 | 13 | — | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| — | Reset | Hydrasleeve to | | 556 @ | 1125 | — |

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

Sampling Date: 8/26/14 Sampling Time: 1105 Depth to Water: 422.93

Sample I.D.: EMW-01B-556-GW-~~08/26/2014~~ 26/08/2014 Laboratory: Kiff CalScience Other Accutest

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 #: 140825-EV1 | Client: ERM |
| Sampler: E.Vail | Date: 8/25/14 |
| Well I.D.: EMW-03A | Well Diameter: 2 (3) 4 6 8 ___ |
| Total Well Depth (TD): 427.36 | Depth to Water (DTW): 397.30 |
| 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 |
|---|---|---|---|---|---|---|
| 1300 | 24.5 | 8.26 | 478 | 97 | — | 3.77 / 523 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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

Sampling Date: 8/28/14 Sampling Time: 1300 Depth to Water: 397.30

Sample I.D.: EMW-03A-418-GW-08/08/2014 Laboratory: Kiff CalScience Other Accutest

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): 280820141D-1

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 #: 140825-EV1 | Client: ERM |
| Sampler: E. Vail | Date: 8/26/14 |
| Well I.D.: EMW-03B | Well Diameter: 2 (3) 4 6 8 ___ |
| Total Well Depth (TD): 569.11 | Depth to Water (DTW): 527.00 |
| 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 | radius$^2$ * 0.163 |

| Time | Temp (°F or (°C)) | pH | Cond. (mS or (µS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1505 | 25.5 | 8.4 | 433.6 | 361 | — | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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

Sampling Date: 8/26/14 Sampling Time: 1505 Depth to Water: 527.00

Sample I.D.: EMW-03B-560-GW-~~[illegible]~~ 26/08/2014 Laboratory: Kiff CalScience (Other) Accutest

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

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

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

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

# WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 140825-EV1 | Client: ERM |
| Sampler: E. Vail | Date: 8/28/14 |
| Well I.D.: EMW-03C | Well Diameter: 2 3 4 6 8 ___ |
| Total Well Depth (TD): | Depth to Water (DTW): 527.02 |
| 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 |
|---|---|---|---|---|---|---|
| 1325 | 25.9 | 7.88 | 6.55 | 31 | — | 1.11 \| -152.7 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Date: 8/28/14 Sampling Time: 1325 Depth to Water: 527.02

Sample I.D.: EMW-03C-640-GW-28/08/2014 Laboratory: Kiff CalScience Other Accutest

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

~~EB I.D.~~ FB (if applicable): 260820 14 FB-1 @ Time 1545 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 #: 140825-EV1 | Client: ERM |
| Sampler: E. Vail | Date: 8/28/14 |
| Well I.D.: EMW-04A | Well Diameter: 2 (3) 4 6 8 ___ |
| Total Well Depth (TD): 457.72 | Depth to Water (DTW): 417.62 |
| 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 | DO Observations ORP |
|---|---|---|---|---|---|---|
| 1015 | 22.8 | 7.53 | 540 | 47 | — | 4.97 / 111.9 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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

Sampling Date: 8/28/14 Sampling Time: 1015 Depth to Water:

Sample I.D.: EMW-04A-450-GW-28/08/2014 Laboratory: Kiff CalScience Other Accutest

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

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

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

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

# WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 140825-EV1 | Client: ERM |
| Sampler: E. Vaca | Date: 8/26/14 |
| Well I.D.: EMW-04B | Well Diameter: 2 (3) 4 6 8 ____ |
| Total Well Depth (TD): | Depth to Water (DTW): 573.49 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: — | |

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

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

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

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

| Time | Temp (°F or (°C)) | pH | Cond. (mS or (µS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1230 | 22.2 | 7.36 | 494.2 | 160 | — | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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

Sampling Date: 8/26/14 Sampling Time: 1230 Depth to Water: 573.49

Sample I.D.: EMW-04B-605-GW-20140826 Laboratory: Kiff CalScience (Other) Accutest

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

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

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

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

# WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 140826-EV1 | Client: ERM |
| Sampler: E. Vail | Date: 8/26/14 |
| Well I.D.: EMW-04C | Well Diameter: 2 (3) 4 6 8 ___ |
| Total Well Depth (TD): ≈700 | Depth to Water (DTW): 573.47 |
| 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 |
|---|---|---|---|---|---|---|
| 1305 | 23.1 | 8.31 | 249.3 | 39 | — | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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

Sampling Date: 8/26/14 Sampling Time: 1305 Depth to Water: 573.47

Sample I.D.: EMW-04C-690-GW-20/08/2014 Laboratory: Kiff CalScience (Other) Accutest

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

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

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

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

# WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 140825-EV1 | Client: ERM |
| Sampler: E. Nail | Date: 8/29/14 |
| Well I.D.: EMW-05A | Well Diameter: 2 (3) 4 6 8 ___ |
| Total Well Depth (TD): 458.84 | Depth to Water (DTW): 425.17 |
| 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 | DO Observations ORP |
|---|---|---|---|---|---|---|
| 0840 | 18.9 | 7.93 | 494 | 36 | — | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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

Sampling Date: 8/29/14 Sampling Time: 0840 Depth to Water: 425.17

Sample I.D.: EMW-05A-450-GW-29/08/2014 Laboratory: Kiff CalScience (Other) Accutest

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

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

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

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

# WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 140825-EN1 | Client: ERM |
| Sampler: E.Nacl | Date: 8/29/14 |
| Well I.D.: EMW-05B | Well Diameter: 2 (3) 4 6 8 ____ |
| Total Well Depth (TD): 622.76 | Depth to Water (DTW): 596.40 |
| 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 | DO Observations ORP |
|---|---|---|---|---|---|---|
| 0730 | 18.7 | 8.01 | 885 | 536 | — | 1.49 \| -50.7 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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

Sampling Date: 8/29/14 Sampling Time: 0730 Depth to Water: 596.40

Sample I.D.: EMW-05B-612-GW-29/08/2014 Laboratory: Kiff CalScience (Other) Accutest

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

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

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

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

# WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 140825-EM | Client: ERM |
| Sampler: EVan | Date: 8/29/14 |
| Well I.D.: EMW-05C | Well Diameter: 2 (3) 4 6 8 ____ |
| Total Well Depth (TD): 728.04 | Depth to Water (DTW): 596.54 |
| 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 | DO Observations | ORP |
|---|---|---|---|---|---|---|---|
| 0805 | 18.4 | 8.56 | 421 | 53 | — | 3.37 | -70.2 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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

Sampling Date: 8/29/14 Sampling Time: 0805 Depth to Water: 596.54

Sample I.D.: EMW-05C-720-GW-29/08/2014 Laboratory: Kiff CalScience Other (Accutest)

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

~~EB I.D.~~ FB (if applicable): 29082014FB-3 @ Time 0915 Duplicate I.D. (if applicable):

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

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

# WELLHEAD INSPECTION CHECKLIST



Client ERM

Date 8/25/14

Site Address B.F. Goodrich

Job Number 140825-EV1

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 |
|---|---|---|---|---|---|---|---|---|---|---|
| PW-1 | vault | | | | | | | | | |
| PW-2 | | X | X | | | | | | | |
| PW-2A | ~~nested~~ | X | X | | | | | | | |
| PW-3 | X | X | X | | | | | | | |
| PW-3A | X | X | X | | | | | | | |
| PW-4 | X | X | X | | | | | | | |
| PW-4A | X | X | X | | | | | | | |
| EPA-MW-9A | X | X | X | | | | | | | |
| EPA-MW-9B | X | X | X | | | | | | | |
| Rialto 1 | gauging port | | | | | | | | | |
| Rialto 2 | gauging port | | | | | | | | | |
| N/SW-34D2S | vault | | | | | | | | | |
| N/SW-34D3S | vault | | | | | | | | | |
| CMW-029 | | | | | | | | | | |
| CMW-026 | | | | | | | | | | |
| CMW-023 | | | | | | | | | | |
| EMW-01A | X | X | X | | | | | | | |

NOTES: PW-2/2A 1/2 bolts missing

# WELLHEAD INSPECTION CHECKLIST



Client: ERM

Date: 8/25/14

Site Address: BF Goodrich

Job Number: 140825-EV1

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 |
|---|---|---|---|---|---|---|---|---|---|---|
| EMW-01B | X | X | X | | | | | | | |
| EMW-03A | X | X | X | | | | | | | |
| EMW-03B | X | X | X | | | | | | | |
| EMW-03C | X | X | X | | | | | | | |
| EMW-04A | X | X | X | | | | | | | |
| EMW-04B | X | X | X | | | | | | | |
| EMW-04C | X | X | X | | | | | | | |
| EMW-05A | X | X | X | | | | | | | |
| EMW-05B | X | X | X | | | | | | | |
| EMW-05C | X | X | X | | | | | | | |
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NOTES:

# TEST EQUIPMENT CALIBRATION LOG

| PROJECT NAME | ERM @ BF Goodrich | | | PROJECT NUMBER | 140825-01 | | | |
|---|---|---|---|---|---|---|---|---|
| EQUIPMENT NAME | EQUIPMENT NUMBER | DATE/TIME OF TEST | STANDARDS USED | EQUIPMENT READING | CALIBRATED TO: OR WITHIN 10%: | | TEMP. | INITIALS |
| YSI Pro Plus | 10B100316 | 8/26/14 0500 | 4.00 7.00, 10.00 3900 | 3.96, 7.10, 10.07 3931 | ✓ ✓ ✓ ✓ | | 24.3 | GV |
| 8/27 | | | 100% 232.4 | 98.2% 231.6 | ✓ ✓ | | 24.7 | GV |
| | | 8/28/14 0500 | 4.00, 7.00, 10.00 3900 | 4.13, 7.08, 10.12 3877 | ✓ ✓ ✓ ✓ | | 24.5 | GV |
| | | | 100% 231.0 | 95.7% 229.3 | ✓ ✓ | | 24.8 | GV |
| | | 08/29/2014 0500 | 4.00, 7.00, 10.00 3907 | 4.02, 7.04, 9.97 3924 | ✓ ✓ ✓ ✓ | | 25.0 | GV |
| | | | 100% 231.4 | 103.7% 233.9 | ✓ ✓ | | 25.1 | GV |
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WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: EPA-MP4
SAMPLING DATE(S) 8-29-14
LOCATION: 988 W. Casamaliast, Rialto
WATER LEVEL INSIDE CASING: 471.69
ATM. PRESSURE (PSI): (Start) 14.01 (Finish) 13.99
25.89°C 22.56°C

PROBE TYPE Sampler 0-500psi
SERIAL NO. EMS2655
PROJECT: BF Goodrich
OPERATOR(S) fw
WEATHER Clear

| Port Number | Run Number | Probe to Top Collar | Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port) | | | | Sample Collection Checks (probe at sampling port in MP casing) | | | | | | | Field Parameters | | | | | | Sample | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Arm out / Land Probe | Shoe Out/ Close Valve/ Check Vacuum | Open Valve/ Apply Vacuum (5 psi) | Close Valve/ Shoe In/ Arm In | Locate Port/ Arm Out/ Land Probe | Pressure in MP Casing (psi) | Shoe Out | Port Pressure (psi) | Open Valve | Port Pressure (psi) | Close Valve/ Shoe In | Pressure in MP Casing (psi) | Sample Temp (°C) | SC (µS/cm) | pH | Turbidity (NTU) | Dissolved Oxygen (ppm) | ORP (mV) | Sample Time | Sample ID |
| E | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 139.81 | ✓ | 129.20 | ✓ | 129.19 | ✓ | 139.81 | 22.0 | 316 | 8.36 | 24 | 3.02 | 27.9 | 0750 | EPA-MP4E-GW-29/08/2014 |
| D | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 91.10 | ✓ | 80.81 | ✓ | 80.84 | ✓ | 91.11 | 22.2 | 459 | 7.94 | 3 | 4.19 | 67.0 | 0830 | EPA-MP4D-GW-29/08/2014 |
| C | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 68.06 | ✓ | 57.04 | ✓ | 57.06 | ✓ | 68.06 | 22.4 | 451 | 7.78 | 2 | 6.15 | 50.2 | 0910 | EPA-MP4C-GW-29/08/2014 |
| B | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 33.08 | ✓ | 22.80 | ✓ | 22.82 | ✓ | 33.09 | 22.6 | 460 | 7.97 | 2 | 3.07 | 37.1 | 0940 | EPA-MP4B-GW-29/08/2014 |
| A | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 14.16 | ✓ | 18.07 | ✓ | 17.94 | ✓ | 14.16 | 22.7 | 297 | 8.99 | 2 | 3.02 | 10.0 | 1010 | EPA-MP4A-GW-29/08/2014 |

Comments: 29082014TB-1 0700 29082014EB-1 0710 DUP@ Port C = 29082014D-1

# WESTBAY™ GROUNDWATER MONITORING WELL
## WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP4
DATE: 8-29-14
LOCATION: 988 W. Casamalia st, Rialto
ELEV. TOP OF WASTBAY CASING 1457
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2655
PROJECT BF Goodrich
OPERATOR(S) KW
ATM. PRESSURE (Patm): (start) 14.01 (finish) 13.99
25.89°C 22.56°C

| Port No. | Depth to Meas. Port Valve (ft) | | Pressure Readings (psi) | | | | Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Depth to Water Outside Port (ft) DTW = Dp-P(ft) | True Port Depth (Dp) (ft) | Time |
|---|---|---|---|---|---|---|---|---|---|---|
| | From Log (Dp) | From Cable | psi Inside Casing | kg/cm² Outside Casing P2 | mH²O Inside Casing | Trans. Temp. (oC) | | | | |
| LQC | 768 | 768 | 146.33 | 136.09 | 146.33 | 20.01 | | | | 0730 |
| E | 753 | 753 | 139.81 | 129.20 | 139.81 | 19.36 | 215.74 | 487.26 | 753 | 0731 |
| SQC | 738 | 738 | 133.28 | 123.14 | 133.28 | 19.03 | | | | 0734 |
| LQC | 656 | 656 | 97.61 | 89.23 | 97.62 | 18.72 | | | | 0735 |
| D | 641 | 641 | 91.18 | 80.81 | 91.16 | 18.60 | 154.11 | 486.89 | 641 | 0736 |
| SQC | 626 | 626 | 84.49 | 73.98 | 84.49 | 18.43 | | | | 0737 |
| LQC | 601 | 601 | 73.73 | 63.97 | 73.74 | 18.40 | | | | 0738 |
| C | 586 | 586 | 67.17 | 57.04 | 67.17 | 18.31 | 99.27 | 486.73 | 586 | 0738 |
| SQC | 571 | 572 | 60.57 | 52.33 | 60.57 | 18.26 | | | | 0739 |
| LQC | 522 | 523 | 39.30 | 31.76 | 39.30 | 18.18 | | | | 0741 |
| B | 507 | 507 | 32.73 | 22.89 | 32.73 | 18.14 | 20.49 | 486.51 | 507 | 0742 |
| SQC | 492 | 492 | 26.19 | 31.30 | 26.19 | 18.12 | | | | 0743 |
| LQC | 428 | 428 | 14.24 | 19.76 | 14.24 | 18.15 | | | | 0745 |

Comments:

# WESTBAY™ GROUNDWATER MONITORING WELL
## WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP4
DATE: 8-29-14
LOCATION: 988 W. Casamalla St, Rialto
ELEV. TOP OF WASTBAY CASING 1457
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2655
PROJECT BF Goodrich
OPERATOR(S) AW
ATM. PRESSURE (Patm): (start) 14.01 (finish) 13.99
25.89°C 22.56°C

| Port No. | Depth to Meas. Port Valve (ft) | | Pressure Readings (psi) | | | | Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Depth to Water Outside Port (ft) DTW = Dp-P(ft) | True Port Depth (Dp) (ft) | Time |
|---|---|---|---|---|---|---|---|---|---|---|
| | From Log (Dp) | From Cable | psi Inside Casing | kg/cm² Outside Casing P2 | mH²O Inside Casing | Trans. Temp. (oC) | | | | |
| A | 413 | 413 | 14.12 | 18.08 | 14.12 | 18.14 | 0.25 | 412.75 | 413 | 0746 |
| SDC | 398 | 398 | 14.18 | 13.46 | 14.18 | 18.20 | | | | 0747 |
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Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-5
SAMPLING DATE(S) 8-28-14
LOCATION: Ayala + Easton, Rialto
WATER LEVEL INSIDE CASING: 428.42'
ATM. PRESSURE (PSI): (Start) 14.10 (Finish) 14.10
26.11°C 19.31'

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2655
PROJECT: BF Goodrich
OPERATOR(S) tw
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) | ORP (mV) | Sample: Sample Time | Sample ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 119.44 | ✓ | 106.74 | ✓ | 106.74 | ✓ | 119.44 | 20.2 | 353 | 7.39 | 1 | 5.61 | 226.6 | 0750 | PW-5E-GW-28/08/2014 |
| D | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 96.06 | ✓ | 83.07 | ✓ | 83.10 | ✓ | 96.07 | 20.8 | 356 | 9.60 | 0 | 4.31 | 110.5 | 0830 | PW-5D-GW-28/08/2014 |
| | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | 95.49 | ✓ | 83.09 | ✓ | 83.10 | ✓ | 95.49 | | | | | | | | |
| C | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 69.22 | ✓ | 57.11 | ✓ | 57.11 | ✓ | 69.22 | 20.5 | 425 | 7.86 | 1 | 4.00 | 134.5 | 0905 | PW-5C-GW-28/08/2014 |
| B | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 49.51 | ✓ | 37.60 | ✓ | 37.61 | ✓ | 49.51 | 20.6 | 427 | 7.83 | 1 | 3.79 | 106.4 | 0930 | PW-5B-GW-28/08/2014 |
| A | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 29.97 | ✓ | 18.06 | ✓ | 18.11 | ✓ | 29.98 | 20.6 | 416 | 7.85 | 1 | 3.81 | 89.1 | 0955 | PW-5A-GW-28/08/2014 |

Comments: MS/MSD @ Port D 28082014TB-1 0700 28082014EB-1 0850

# WESTBAY™ GROUNDWATER MONITORING WELL
## WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-5
DATE: 8-28-14
LOCATION: Ayala + Easton, Rialto
ELEV. TOP OF WASTBAY CASING 1423
WEATHER: Clear

PROBE TYPE Sampler
SERIAL NO. EMS2655
PROJECT BFGoodrich
OPERATOR(S) AJ
ATM. PRESSURE (Patm): (start) 14.10 26.11°C (finish) 14.10 19.31°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 | psi Inside Casing | kg/cm² Outside Casing P2 | mH²O Inside Casing | Trans. Temp. (oC) | | | | |
| LQC | 687 | 687 | 125.96 | 113.41 | 125.96 | 20.39 | | | | 0735 |
| E | 672 | 672 | 119.44 | 106.74 | 119.44 | 19.48 | 213.72 | 458.28 | 672 | 0736 |
| SQC | 657 | 657 | 112.98 | 100.64 | 113.01 | 18.24 | | | | 0738 |
| LQC | 632 | 632 | 102.01 | 90.11 | 102.01 | 18.07 | | | | 0739 |
| D | 617 | 617 | 95.49 | 83.09 | 95.49 | 17.94 | 159.16 | 457.84 | 617 | 0739 |
| SQC | 602 | 602 | 88.97 | 76.94 | 88.97 | 17.84 | | | | 0740 |
| LQC | 572 | 572 | 75.92 | 64.66 | 75.92 | 17.74 | | | | 0741 |
| C | 557 | 557 | 69.29 | 57.09 | 69.31 | 17.70 | 99.18 | 457.82 | 557 | 0741 |
| SQC | 542 | 542 | 62.78 | 50.68 | 62.78 | 17.66 | | | | 0742 |
| LQC | 527 | 527 | 56.33 | 44.38 | 56.33 | 17.63 | | | | 0743 |
| B | 512 | 512 | 49.70 | 37.61 | 49.70 | 17.63 | 54.24 | 457.76 | 512 | 0744 |
| SQC | 497 | 497 | 43.21 | 32.38 | 43.21 | 17.64 | | | | 0745 |
| LQC | 482 | 482 | 36.61 | 25.56 | 36.61 | 17.62 | | | | 0746 |

Comments:

# WESTBAY™ GROUNDWATER MONITORING WELL
## WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-5
DATE: 8-28-14
LOCATION: Ayala + Easton, Rialto
ELEV. TOP OF WASTBAY CASING 1423
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2655
PROJECT BF Goodrich
OPERATOR(S) AW
ATM. PRESSURE (Patm): (start) 14.10 (finish) 14.10
26.11°C 19.31°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 | psi Inside Casing | kg/cm² Outside Casing P2 | mH²O Inside Casing | Trans. Temp. (oC) | | | | |
| 9 | 467 | 467 | 30.11 | 18.11 | 30.11 | 17.64 | 9.25 | 457.75 | 467 | 0746 |
| SQC | 452 | 452 | 23.56 | 17.16 | 23.56 | 17.61 | | | | 0747 |
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Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-6
SAMPLING DATE(S) 8-27-14
LOCATION: 1100 W. Leiske Dr, Rialto
WATER LEVEL INSIDE CASING: 420.55'
ATM. PRESSURE (PSI): (Start) 14.08 (Finish) 14.10
22.24°C 18.64

PROBE TYPE Sampler 0-500psi
SERIAL NO. EMS26655
PROJECT: ERM @ BF Goodrich
OPERATOR(S) AN
WEATHER Clear

| Port Number | Run Number | Probe to Top Collar: Arm out / Land Probe | Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port): Shoe Out/ Close Valve/ Check Vacuum | Open Valve/ Apply Vacuum (5 psi) | Close Valve/ Shoe In/ Arm In | Locate Port/ Arm Out/ Land Probe | Sample Collection Checks (probe at sampling port in MP casing): Pressure in MP Casing (psi) | Shoe Out | Port Pressure (psi) | Open Valve | Port Pressure (psi) | Close Valve/ Shoe In | Pressure in MP Casing (psi) | Field Parameters: Sample Temp (°C) | SC (µS/cm) | pH | Turbidity (NTU) | Dissolved Oxygen (ppm) | Sample: Sample Time | Sample ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 120.51 | ✓ | 106.16 | ✓ | 106.16 | ✓ | 120.52 | 20.5 | 365 | 7.20 | 1 | 5.62 | 0730 | PW-6E-GW-27/08/2014 |
| D | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 97.51 | ✓ | 82.37 | ✓ | 82.38 | ✓ | 97.51 | 20.7 | 319 | 7.71 | 0 | 7.64 | 0810 | PW-6D-GW-27/08/2014 |
| | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | 96.01 | ✓ | 82.37 | ✓ | 82.40 | ✓ | 96.02 | | | | | | | |
| C | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 61.54 | ✓ | 47.74 | ✓ | 47.73 | ✓ | 61.53 | 20.1 | 203 | 9.25 | 1 | 2.12 | 0900 | PW-6C-GW-27/08/2014 |
| B | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 41.93 | ✓ | 28.22 | ✓ | 28.20 | ✓ | 41.93 | 19.7 | 216 | 8.94 | 1 | 2.12 | 0930 | PW-6B-GW-27/08/2014 |
| A | | ✓ | ✓ | ✓ | ✓ | ✓ | 26.61 | ✓ | 14.19 | ✓ | 14.20 | ✓ | 26.61 | Port is Dry. | | | | No | Sample | Collected |

Comments: MS/MSD @ Port D TB = 27082014 TB-1 EB = 27082014 EB-1
0700 0830
Port E, ORP = 178.7mV
Port D, ORP = 119.5mV Port C, ORP = -4.1mV Port B, ORP = -7.4mV

p 1 of 2

# WESTBAY™ GROUNDWATER MONITORING WELL
## WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: ~~B~~ PW-6

DATE: 8-27-14

LOCATION: 1100 W. Leiske Dr, Rialto

ELEV. TOP OF WASTBAY CASING 1409

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2655

PROJECT ERM @ BF Goodrich

OPERATOR(S) [illegible]

ATM. PRESSURE (Patm): (start) 14.08 (finish) 14.10

22.24°C 18.64°C

| Port No. | Depth to Meas. Port Valve (ft) | | Pressure Readings (psi) | | | | Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Depth to Water Outside Port (ft) DTW = Dp-P(ft) | True Port Depth (Dp) (ft) | Time |
|---|---|---|---|---|---|---|---|---|---|---|
| | From Log (Dp) | From Cable | Inside Casing (psi) | Outside Casing (psi) | Inside Casing (psi) | Trans. Temp. (oC) | | | | |
| LQC | 672 | 671 | 127.04 | 113.07 | 127.04 | 19.99 | | | | 0707 |
| e | 657 | 656 | 120.51 | 106.16 | 120.52 | 18.77 | 212.43 | 444.57 | ~~106.16~~ 657 | 0709 |
| SQC | 642 | 641 | 114.04 | 100.00 | 114.04 | 18.53 | | | | 0712 |
| LQC | 617 | 616 | 103.13 | 89.36 | 103.13 | 18.37 | | | | 0714 |
| d | 602 | 601 | 96.61 | 82.41 | 96.61 | 18.10 | 157.64 | 444.36 | 602 | 0715 |
| SQC | 587 | 586 | 90.07 | 76.00 | 90.07 | 17.99 | | | | 0716 |
| LQC | 537 | 536 | 68.28 | 54.24 | 68.27 | 17.75 | | | | 0717 |
| c | 522 | 521 | 61.72 | 47.74 | 61.72 | 17.57 | 77.65 | 444.35 | 522 | 0718 |
| SQC | 507 | 507 | 55.29 | 43.04 | 55.29 | 17.52 | | | | 0719 |
| LQC | 492 | 492 | 48.60 | 36.60 | 48.60 | 17.47 | | | | 0720 |
| b | 477 | 477 | 42.06 | 28.22 | 42.06 | 17.46 | 32.62 | 444.38 | 477 | 0721 |
| LQC | 457 | 457 | 33.31 | 20.00 | 33.34 | 17.44 | | | | 0722 |
| a | 442 | 442 | 26.80 | 14.20 | 26.80 | 17.44 | 0.28 | 441.72 | 442 | 0723 |

Comments: MS/MSD @ Port D

p 2 of 2

# WESTBAY™ GROUNDWATER MONITORING WELL
## WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-6

DATE: 8-27-14

LOCATION: 1100 W. Leiske Dr, Rialto

ELEV. TOP OF WASTBAY CASING 1409

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2655

PROJECT ERM @ BF Goodrich

OPERATOR(S) tzw

ATM. PRESSURE (Patm): (start) 14.08 (finish) 14.10

22.24°C 18.64°C

| Port No. | Depth to Meas. Port Valve (ft) | | Pressure Readings (psi) | | | | Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Depth to Water Outside Port (ft) DTW = Dp-P(ft) | True Port Depth (Dp) (ft) | Time |
|---|---|---|---|---|---|---|---|---|---|---|
| | From Log (Dp) | From Cable | Inside Casing (psi) | Outside Casing (psi) | Inside Casing (psi) | Trans. Temp. (oC) | | | | |
| SQC | 427 | 427 | 20.24 | 13.68 | 20.24 | 17.44 | | | | 0724 |
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Comments:

# WESTBAY™ GROUNDWATER MONITORING WELL
## FIELD DATA LOG SHEET

WELL ID: PW-7
SAMPLING DATE(S) 8-27-14
LOCATION: Cactus + Walnut, Rialto
WATER LEVEL INSIDE CASING: 398.79
ATM. PRESSURE (PSI): (Start) 14.09 (Finish) 14.07
26.49°C 20.00°C

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2655
PROJECT: ERM @ BF Goodrich
OPERATOR(S) KN
WEATHER Clear

| Port Number | Run Number | Probe to Top Collar: Arm out / Land Probe | Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port): Shoe Out/ Close Valve/ Check Vacuum | Open Valve/ Apply Vacuum (5 psi) | Close Valve/ Shoe In/ Arm In | Locate Port/ Arm Out/ Land Probe | Sample Collection Checks (probe at sampling port in MP casing): Pressure in MP Casing (psi) | Shoe Out | Port Pressure (psi) | Open Valve | Port Pressure (psi) | Close Valve/ Shoe In | Pressure in MP Casing (psi) | Field Parameters: Sample Temp (°C) | SC (µS/cm) | pH | Turbidity (NTU) | Dissolved Oxygen (ppm) | Sample: Sample Time | Sample ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 198.61 | ✓ | 177.36 | ✓ | 177.37 | ✓ | 198.61 | 23.1 | 315 | 8.28 | 1 | 5.53 | 1040 | PW-7G-GW-27/08/2014 |
| F | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 173.21 | ✓ | 149.29 | ✓ | 149.31 | ✓ | 170.22 | 24.1 | 398 | 7.64 | 1 | 7.47 | 1120 | PW-7F-GW-27/08/2014 |
| | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | 170.68 | ✓ | 149.28 | ✓ | 149.30 | ✓ | 173.70 | | | | | | | |
| E | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 141.86 | ✓ | 121.20 | ✓ | 121.22 | ✓ | 141.89 | 23.2 | 463 | 7.86 | 1 | 5.78 | 1200 | PW-7~~D~~E-GW-27/08/2014 |
| D | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 120.06 | ✓ | 99.60 | ✓ | 99.61 | ✓ | 120.06 | 23.4 | 503 | 7.75 | 1 | 5.55 | 1235 | PW-7D-GW-27/08/2014 |
| C | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 89.32 | ✓ | 69.31 | ✓ | 69.32 | ✓ | 89.36 | 23.1 | 522 | 7.81 | 1 | 4.68 | 1305 | PW-7C-GW-27/08/2014 |
| B | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 58.96 | ✓ | 39.02 | ✓ | 39.01 | ✓ | 58.93 | 22.3 | 429 | 7.91 | 1 | 4.75 | 1335 | PW-7B-GW-27/08/2014 |
| A | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 30.42 | ✓ | 14.22 | ✓ | 14.20 | ✓ | 30.41 | No Port is Dry. No sample Collected | | | | | | |

Comments: MS/MSD @ Port F

Port G, ORP = 41.7 mV
Port D, ORP = 41.9 mV
Port F, ORP = 45.5 mV
Port C, ORP = 29.4 mV
Port E, ORP = 33.0 mV
Port B, ORP = 25.0 mV

p1of2

# WESTBAY™ GROUNDWATER MONITORING WELL
## WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-7

DATE: 8-27-14

LOCATION: ~~Est~~ Cactus + Walnut, Rialto

ELEV. TOP OF WASTBAY CASING 1401

WEATHER: Clear

PROBE TYPE Sampler 0-500psi

SERIAL NO. EMS2655

PROJECT ERM @ BF Goodrich

OPERATOR(S) tw

ATM. PRESSURE (Patm): (start) 14.09 (finish) 14.07

26.49°C 20.00°C

| Port No. | Depth to Meas. Port Valve (ft) | | Pressure Readings (psi) | | | | Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Depth to Water Outside Port (ft) DTW = Dp-P(ft) | True Port Depth (Dp) (ft) | Time |
|---|---|---|---|---|---|---|---|---|---|---|
| | From Log (Dp) | From Cable | Inside Casing (psi) | Outside Casing (psi) | Inside Casing (psi) | Trans. Temp. (oC) | | | | |
| LQC | 832 | 832 | 205.06 | 183.81 | 205.06 | 20.24 | | | | 1014 |
| q | 817 | 817 | 198.61 | 177.36 | 198.61 | 19.88 | 376.66 | 440.34 | 817 | 1015 |
| SQC | 802 | 802 | 192.02 | 171.36 | 192.01 | 19.73 | | | | 1017 |
| LQC | 767 | 767 | 176.81 | 156.80 | 176.81 | 19.52 | | | | 1018 |
| F | 752 | 752 | 170.20 | 149.31 | 170.20 | 19.38 | 311.95 | 440.05 | 752 | 1019 |
| SQC | 737 | 737 | 163.92 | 147.02 | 163.89 | 19.23 | | | | 1020 |
| LQC | 703 | 703 | 148.64 | 130.90 | 148.64 | 18.94 | | | | 1021 |
| e | 688 | 687 | 142.00 | 121.24 | 142.01 | 18.77 | 247.20 | 440.81 | 688 | 1023 |
| SQC | 673 | 672 | 135.44 | 115.89 | 135.44 | 18.64 | | | | 1023 |
| LQC | 653 | 652 | 126.89 | 107.20 | 126.89 | 18.54 | | | | 1024 |
| d | 638 | 637 | 120.14 | 99.62 | 120.14 | 18.44 | 197.32 | 440.68 | 638 | 1025 |
| SQC | 623 | 623 | 113.70 | 93.74 | 113.69 | 18.33 | | | | 1026 |
| LQC | 583 | 583 | 96.38 | 76.33 | 96.38 | 18.26 | | | | 1027 |

Comments:

# WESTBAY™ GROUNDWATER MONITORING WELL
## WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-7
DATE: 8-27-14
LOCATION: Cactus + Walnut, Rialto
ELEV. TOP OF WASTBAY CASING 1401
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2655
PROJECT ERM @ BF Goodrich
OPERATOR(S) KW
ATM. PRESSURE (Patm): (start) 14.09 (finish) 14.07
26.49°C 20.00°C

| Port No. | Depth to Meas. Port Valve (ft) | | Pressure Readings (psi) | | | | Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Depth to Water Outside Port (ft) DTW = Dp-P(ft) | True Port Depth (Dp) (ft) | Time |
|---|---|---|---|---|---|---|---|---|---|---|
| | From Log (Dp) | From Cable | Inside Casing (psi) | Outside Casing (psi) | Inside Casing (psi) | Trans. Temp. (oC) | | | | |
| C | 568 | 568 | 89.96 | 69.38 | 89.96 | 18.21 | 127.55 | 440.45 | 568 | 1028 |
| SQC | 553 | 553 | 83.22 | 65.04 | 83.22 | 18.16 | | | | 1029 |
| LQC | 513 | 513 | 65.81 | 47.00 | 65.79 | 18.15 | | | | 1031 |
| b | 498 | 498 | 59.37 | 39.06 | 59.37 | 18.11 | 57.61 | 440.39 | 498 | 1032 |
| SQC | 483 | 483 | 52.79 | 32.64 | 52.79 | 18.12 | | | | 1033 |
| LQC | 447 | 448 | 37.41 | 24.70 | 37.41 | 18.13 | | | | 1034 |
| a | 432 | 433 | 30.90 | 14.23 | 30.90 | 18.11 | 0.32 | 431.68 | 432 | 1035 |
| SQC | 417 | 418 | 24.41 | 13.66 | 24.41 | 18.13 | | | | 1036 |
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Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-8
SAMPLING DATE(S) 8-28-14
LOCATION: Vineyard + Linden, Rialto
WATER LEVEL INSIDE CASING:
ATM. PRESSURE (PSI): (Start) 14.06 (Finish) 14.06
28.81°C 21.47°C

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS 2655
PROJECT: BF Goodrich
OPERATOR(S) KW
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) | ORP (mV) | Sample: Sample Time | Sample ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 139.64 | ✓ | 113.03 | ✓ | 113.05 | ✓ | 139.64 | 21.7 | 328 | 8.14 | 1 | 5.78 | -15.7 | 1105 | PW-8E-GW-28/08/2014 |
| D | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 118.56 | ✓ | 91.52 | ✓ | 91.54 | ✓ | 118.56 | 22.6 | 301 | 8.05 | 1 | 7.55 | -6.8 | 1145 | PW-8D-GW-28/08/2014 |
| C | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 84.94 | ✓ | 59.07 | ✓ | 59.08 | ✓ | 84.94 | 21.1 | 347 | 8.02 | 1 | 4.95 | -32.3 | 1210 | PW-8C-GW-28/08/2014 |
| B | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 41.92 | ✓ | 15.77 | ✓ | 15.84 | ✓ | 41.93 | 23.1 | 410 | 7.94 | 1 | 3.92 | -25.0 | 1310 | PW-8B-GW-28/08/2014 |
| A | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | 14.16 | ✓ | 28.99 | ✓ | 28.97 | ✓ | 14.14 | 23.2 | 425 | 7.78 | 1 | 5.06 | -2.0 | 1340 | PW-8A-GW-28/08/2014 |

Comments: DUP @ Port D 28082014D-1

**WESTBAY™ GROUNDWATER MONITORING WELL**
**WATER LEVEL MEASUREMENT LOG SHEET**

WELL ID: PW-8
DATE: 8-28-14
LOCATION: Vineyard + Linden, Rialto
ELEV. TOP OF WASTBAY CASING 1515
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2655
PROJECT BF Goodrich
OPERATOR(S) AZ
ATM. PRESSURE (Patm): (start) 14.06 (finish) 14.06
28.81°C 21.47°C

| Port No. | Depth to Meas. Port Valve (ft) | | Pressure Readings (psi) | | | | Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Depth to Water Outside Port (ft) DTW = Dp-P(ft) | True Port Depth (Dp) (ft) | Time |
|---|---|---|---|---|---|---|---|---|---|---|
| | From Log (Dp) | From Cable | psi Inside Casing | kg/cm² Outside Casing P2 | mH²O Inside Casing | Trans. Temp. (oC) | | | | |
| LQC | 787 | 787 | 146.01 | 120.00 | 146.01 | 21.07 | | | | 1044 |
| E | 772 | 772 | 139.64 | 113.03 | 139.64 | 20.31 | 228.32 | 543.68 | 772 | 1045 |
| SQC | 757 | 757 | 132.94 | 110.92 | 132.98 | 19.43 | | | | 1048 |
| LQC | 737 | 737 | 124.36 | 104.20 | 124.36 | 19.17 | | | | 1049 |
| D | 722 | 722 | 117.93 | 91.49 | 117.93 | 18.94 | 178.63 | 543.37 | 722 | 1050 |
| SQC | 707 | 707 | 111.20 | 87.66 | 111.20 | 18.77 | | | | 1050 |
| LQC | 662 | 662 | 91.73 | 67.16 | 91.73 | 18.48 | | | | 1051 |
| C | 647 | 647 | 85.12 | 59.06 | 85.12 | 18.30 | 103.82 | 543.19 | 647 | 1052 |
| SQC | 632 | 632 | 78.78 | 56.88 | 78.79 | 18.20 | | | | 1053 |
| LQC | 562 | 562 | 48.10 | 22.26 | 48.10 | 17.91 | | | | 1054 |
| B | 547 | 547 | 41.74 | 15.81 | 41.74 | 17.79 | 4.04 | 542.96 | 547 | 1055 |
| SQC | 532 | 532 | 35.06 | 18.15 | 35.06 | 17.71 | | | | 1056 |
| LQC | 452 | 452 | 14.23 | 16.57 | 14.23 | 17.39 | | | | 1058 |

Comments:

# WESTBAY™ GROUNDWATER MONITORING WELL
## WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-8
DATE: 8-28-14
LOCATION: Vineyard + Linden, Rialto
ELEV. TOP OF WASTBAY CASING 1515
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2655
PROJECT BF Goodrich
OPERATOR(S) AW
ATM. PRESSURE (Patm): (start) 14.06 (finish) 14.06
28.81°C 21.47°C

| Port No. | Depth to Meas. Port Valve (ft) | | Pressure Readings (psi) | | | | Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi) | Depth to Water Outside Port (ft) DTW = Dp-P(ft) | True Port Depth (Dp) (ft) | Time |
|---|---|---|---|---|---|---|---|---|---|---|
| | From Log (Dp) | From Cable | psi Inside Casing | kg/cm² Outside Casing P2 | mH²O Inside Casing | Trans. Temp. (oC) | | | | |
| A | 442 | 442 | 14.20 | 29.02 | 14.20 | 17.39 | 34.51 | 407.49 | 442 | 1058 |
| SQC | 427 | 427 | 14.20 | 27.52 | 14.20 | 17.40 | | | | 1059 |
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| | | | | | | | | | | |

Comments:

# 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

COC 1 of 1

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

CC:
Darren.Burgett@erm.com
Christopher.Berg@erm.com

CHAIN OF CUSTODY

CLIENT: ERM

SITE: BF Goodrich Rialto Superfund Site

Project Code/Job #: 0179962.04.C

| SAMPLE I.D. | DATE | TIME | MATRIX | CONTAINERS # | | VOC's 8260B | Perchlorate 314.0 | | | | | | ADD'L INFORMATION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26082014TB-1 | 8/26/2014 | 530 | GW | 3 | | X | | | | | | | |
| 26082014FB-1 | 8/26/2014 | 1545 | GW | 4 | | X | X | | | | | | |
| EMW-01B-556-GW-26/08/2014 | 8/26/2014 | 1105 | GW | 4 | | X | X | | | | | | |
| EMW-01A-470-GW-28/08/2014 | 8/26/2014 | 1135 | GW | 4 | | X | X | | | | | | |
| EMW-04B-605-GW-26/08/2014 | 8/26/2014 | 1230 | GW | 4 | | X | X | | | | | | |
| EMW-04C-690-GW-26/08/2014 | 8/26/2014 | 1305 | GW | 4 | | X | X | | | | | | |
| EMW-03B-560-GW-26/08/2014 | 8/26/2014 | 1505 | GW | 4 | | X | X | | | | | | |
| 26082014D-1 | 8/26/2014 | | GW | 4 | | X | X | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

SAMPLING COMPLETED 8/26/14 1600 | DATE 8/26/14 | TIME 1600

SAMPLING PERFORMED BY Emmanuel Vail

RESULTS NEEDED NO LATER THAN: As Contracted

| RELEASED BY | TIME | RECEIVED BY | TIME |
|---|---|---|---|
| Emman | 10:10 | [signature] | 8-27-14 10:10 |
| Nicole | | [signature] | 8-27-14 1640 |
| | | | |

SHIPPED VIA | TIME SENT | COOLER #

IRVINE

# 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

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

CC:
Darren.Burgett@erm.com
Christopher.Berg@erm.com

| SAMPLE I.D. | DATE | TIME | MATRIX | CONTAINERS # | | VOC's 8260B | Perchlorate 314.0 | | | | | | ADD'L INFORMATION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27082014TB-1 | 8-27-14 | 0700 | W | 3 | | X | | | | | | | |
| PW-6E-GW-27/08/2014 | | 0730 | | 4 | | X | X | | | | | | |
| PW-6D-GW-27/08/2014 | | 0810 | | 12 | | X | X | | | | | | MS/MSD |
| 27082014EB-1 | | 0830 | | 4 | | X | X | | | | | | |
| PW-6C-GW-27/08/2014 | | 0900 | | 4 | | X | X | | | | | | |
| PW-6B-GW-27/08/2014 | | 0930 | | 4 | | X | X | | | | | | |
| PW-7G-GW-27/08/2014 | | 1040 | | 4 | | X | X | | | | | | |
| PW-7F-GW-27/08/2014 | | 1120 | | 12 | | X | X | | | | | | MS/MSD |
| PW-7E-GW-27/08/2014 | | 1200 | | 4 | | X | X | | | | | | |
| PW-7D-GW-27/08/2014 | | 1235 | | 4 | | X | X | | | | | | |

SAMPLING COMPLETED: DATE 8-27-14 TIME 1345

SAMPLING PERFORMED BY: AWolff

RESULTS NEEDED NO LATER THAN: As Contracted

| RELEASED BY | TIME | RECEIVED BY | TIME |
|---|---|---|---|
| [signature] | 1600 | Nicole | 1600 |
| Nicole | | [signature] 8-27-14 | 1640 |
| | | | |

SHIPPED VIA | TIME SENT | COOLER #

IRVINE

# 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

COC 2 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

CC:
Darren.Burgett@erm.com
Christopher.Berg@erm.com

| SAMPLE I.D. | DATE | TIME | MATRIX | CONTAINERS # | | VOC's 8260B | Perchlorate 314.0 | | | | | | ADD'L INFORMATION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PW-7C-GW-27/08/2014 | 8-27-14 | 1305 | W | 4 | | X | X | | | | | | |
| PW-7B-GW-27/08/2014 | 8-27-14 | 1335 | W | 4 | | X | X | | | | | | |

| SAMPLING COMPLETED | DATE | TIME | SAMPLING PERFORMED BY | RESULTS NEEDED NO LATER THAN |
|---|---|---|---|---|
| | 8-27-14 | 1345 | A. Wolff | As Contracted |

| RELEASED BY | TIME | RECEIVED BY | TIME |
|---|---|---|---|
| A. Wolff | 1600 | Nicole | 1600 |
| Nicole | | 8-27-14 | 1641 |
| | | | |

| SHIPPED VIA | TIME SENT | COOLER # |
|---|---|---|
| | | |

IRVINE

# 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

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

CC:
Darren.Burgett@erm.com
Christopher.Berg@erm.com

| SAMPLE I.D. | DATE | TIME | MATRIX | CONTAINERS # | VOC's 8260B | Perchlorate 314.0 | ADD'L INFORMATION |
|---|---|---|---|---|---|---|---|
| 28082014TB-1 | 8-28-14 | 0700 | W | 3 | X | | |
| PW-5E-GW-28/08/2014 | | 0750 | | 4 | X | X | |
| PW-5D-GW-28/08/2014 | | 0830 | | 12 | X | X | MS/MSD |
| 28082014EB-1 | | 0850 | | 4 | X | X | |
| PW-5C-GW-28/08/2014 | | 0905 | | | X | X | |
| PW-5B-GW-28/08/2014 | | 0930 | | | X | X | |
| PW-5A-GW-28/08/2014 | | 0955 | | | X | X | |
| PW-8E-GW-28/08/2014 | | 1105 | | | X | X | |
| PW-8D-GW-28/08/2014 | | 1145 | | | X | X | |
| 28082014D-1 | | — | | | X | X | |

| SAMPLING COMPLETED | DATE | TIME | SAMPLING PERFORMED BY | RESULTS NEEDED NO LATER THAN |
|---|---|---|---|---|
| | 8-28-14 | 1400 | AW.LPF | As Contracted |

| RELEASED BY | TIME | RECEIVED BY | TIME |
|---|---|---|---|
| [signature] | 1530 | | |
| RELEASED BY | TIME | RECEIVED BY | TIME |
| RELEASED BY | TIME | RECEIVED BY | TIME |

| SHIPPED VIA | TIME SENT | COOLER # | |
|---|---|---|---|
| | | | |

# 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

LAB - Accutest

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

CC:
Darren.Burgett@erm.com
Christopher.Berg@erm.com

CONDUCT ANALYSIS TO DETECT

| SAMPLE I.D. | DATE | TIME | MATRIX | CONTAINERS # | | VOC's 8260B | Perchlorate 314.0 | | | | | | ADD'L INFORMATION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PW-8C-GW-28/08/2014 | 8-28-14 | 1220 | W | 4 | | X | X | | | | | | |
| PW-8B-GW-28/08/2014 | ↓ | 1310 | ↓ | ↓ | | X | X | | | | | | |
| PW-8A-GW-28/08/2014 | ↓ | 1340 | ↓ | ↓ | | X | X | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
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| SAMPLING COMPLETED | DATE | TIME | SAMPLING PERFORMED BY | RESULTS NEEDED NO LATER THAN |
|---|---|---|---|---|
| | 8-28-14 | 1400 | AWolff | As Contracted |

| RELEASED BY | TIME | RECEIVED BY | TIME |
|---|---|---|---|
| AWolff | 1530 | | |
| | | | |
| | | | |

| RELEASED BY | TIME | RECEIVED BY | TIME |
|---|---|---|---|
| | | | |
| | | | |
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| RELEASED BY | TIME | RECEIVED BY | TIME |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

| SHIPPED VIA | TIME SENT | COOLER # | |
|---|---|---|---|
| | | | |

# BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
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FAX (408) 573-7771
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:
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ERM
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Sacramento, California 95833
Tel: +01 916 999 8944
heather.balfour@erm.com

CC:
Darren.Burgett@erm.com
Christopher.Berg@erm.com

| SAMPLE I.D. | DATE | TIME | MATRIX | CONTAINERS # | | VOC's 8260B | Perchlorate 314.0 | | | | | | ADD'L INFORMATION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28082014TB-2 | 8/28/14 | 0500 | W | 3 | | X | X | | | | | | |
| 28082014FB-2 | | 1540 | | 4 | | X | X | | | | | | |
| EMW-03A-418-GW-28/08/2014 | | 1300 | | | | X | X | | | | | | |
| EMW-03C-640-GW-28/08/2014 | | 1325 | | | | X | X | | | | | | |
| EMW-04A-450-GW-28/08/2014 | | 1015 | | | | X | X | | | | | | |
| EPA-MW-9A-535-GW-28/08/2014 | | 1200 | | | | X | X | | | | | | |
| EPA-MW-9B-725-GW-28/08/2014 | | 0900 | | | | X | X | | | | | | |
| IN/SW-34D35-600-GW-28/08/2014 | | 0825 | | | | X | X | | | | | | |
| IN/SW-34D25-770-GW-28/08/2014 | | 0745 | | | | X | X | | | | | | |
| PW-2-475-GW-28/08/2014 | | 0930 | | | | X | X | | | | | | |

SAMPLING COMPLETED: Emmanuel Vail — DATE: 8/28/14 — TIME: 1545

SAMPLING PERFORMED BY: Emmanuel Vail

RESULTS NEEDED NO LATER THAN: As Contracted

| | | | |
|---|---|---|---|
| RELEASED BY | TIME 1730 | RECEIVED BY | TIME |
| RELEASED BY | TIME | RECEIVED BY | TIME |
| RELEASED BY | TIME | RECEIVED BY | TIME |
| SHIPPED VIA | TIME SENT | COOLER # | |

# BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
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CONDUCT ANALYSIS TO DETECT

LAB - Accutest

COC 2 of 2

Billing Information:
PO# 0179962.04.C

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Christopher.Berg@erm.com

CHAIN OF CUSTODY

CLIENT: ERM

SITE: BF Goodrich Rialto Superfund Site

Project Code/Job #: 0179962.04.C

| SAMPLE I.D. | DATE | TIME | MATRIX | CONTAINERS # | | VOC's 8260B | Perchlorate 314.0 | | | | | | ADD'L INFORMATION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PW-3-490-GW-28/08/2014 | 8/28/14 | 1430 | W | 4 | | X | X | | | | | | |
| PW-4-490-GW-28/08/2014 | ↓ | 1455 | ↓ | ↓ | | X | X | | | | | | |
| 28082014D-1 | ↓ | — | ↓ | ↓ | | X | X | | | | | | |
| 28082014D-2 | ↓ | — | ↓ | ↓ | | X | X | | | | | | |
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SAMPLING COMPLETED: Emmanuel Vail | DATE: 8/28/14 | TIME: 1545

SAMPLING PERFORMED BY: Emmanuel Vail

RESULTS NEEDED NO LATER THAN: As Contracted

| RELEASED BY | TIME | RECEIVED BY | TIME |
|---|---|---|---|
| [signature] | 1730 | [redacted] | |
| | | | |
| | | | |

SHIPPED VIA | TIME SENT | COOLER #

# BLAINE
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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 - Accutest

COC 1 of 2

Billing Information:
PO# 0179962.04.C

Report to:
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Tel: +01 916 999 8944
heather.balfour@erm.com

CC:
Darren.Burgett@erm.com
Christopher.Berg@erm.com

| SAMPLE I.D. | DATE | TIME | MATRIX | CONTAINERS # | VOC's 8260B | Perchlorate 314.0 | ADD'L INFORMATION |
|---|---|---|---|---|---|---|---|
| 29082014TB-1 | 8-29-14 | 0700 | W | 3 | X | | |
| 29082014EB-1 | | 0710 | | 4 | X | X | |
| EPA-MP4E-GW-29/08/2014 | | 0750 | | | X | X | |
| EPA-MP4D-GW-29/08/2014 | | 0830 | | | X | X | |
| 29082014D-1 | | — | | | X | X | |
| PA-MP4C-GW-29/08/2014 | | 0910 | | | X | X | |
| PA-MP4B-GW-29/08/2014 | | 0940 | | | X | X | |
| PA-MP4A-GW-29/08/2014 | | 1010 | | | X | X | |
| 29082014FB-3 | | 0915 | | | X | X | |
| MW-05A-480-GW-29/08/2014 | | 0840 | | | X | X | |

SAMPLING COMPLETED: DATE 8-29-14 TIME 1030

SAMPLING PERFORMED BY: Kwoff E. Vail

RESULTS NEEDED NO LATER THAN: As Contracted

| RELEASED BY | TIME | RECEIVED BY | TIME |
|---|---|---|---|
| [signature] | 1345 | | |
| | | | |
| | | | |

| SHIPPED VIA | TIME SENT | COOLER # |
|---|---|---|
| | | |

# BLAINE
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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 - Accutest

COC 2 of 2

Billing Information:
PO# 0179962.04.C

Report to:
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heather.balfour@erm.com

CC:
Darren.Burgett@erm.com
Christopher.Berg@erm.com

| SAMPLE I.D. | DATE | TIME | MATRIX | CONTAINERS # | | VOC's 8260B | Perchlorate 314.0 | | | | | | ADD'L INFORMATION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-05B-612-GW-29/08/2014 | 8/29/14 | 0730 | w | 4 | | X | X | | | | | | |
| MW-05C-720-GW-29/08/2014 | ↓ | 0805 | ↓ | ↓ | | X | X | | | | | | |

| SAMPLING COMPLETED | DATE | TIME | SAMPLING PERFORMED BY | RESULTS NEEDED NO LATER THAN | As Contracted |
|---|---|---|---|---|---|
| | 8-29-14 | 1030 | | | |

| RELEASED BY | TIME | RECEIVED BY | TIME |
|---|---|---|---|
| [signature] | 1345 | | |
| | | | |
| | | | |

| SHIPPED VIA | TIME SENT | COOLER # |
|---|---|---|
| | | |

# WELLHEAD INSPECTION CHECKLIST



Client ERM Date 8-27-14

Site Address BF Goodrich

Job Number 140827-AW1 Technician AL

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| PW-5 | X | X | X | | | | | | | |
| PW-6 | X | X | X | | | | | | | |
| PW-7 | X | X | X | | | | | | | |
| PW-8 | X | X | X | | | | | | | |
| EPA-MP-4 | X | X | X | | | | | | | |
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NOTES:

# TEST EQUIPMENT CALIBRATION LOG

| PROJECT NAME ERM @ BF Goodrich | | | | PROJECT NUMBER 140827-MW1 | | | |
|---|---|---|---|---|---|---|---|
| EQUIPMENT NAME | EQUIPMENT NUMBER | DATE/TIME OF TEST | STANDARDS USED | EQUIPMENT READING | CALIBRATED TO: OR WITHIN 10%: | TEMP. C° | INITIALS |
| YSI-ProPlus | 12H100513 | 8/27/14<br>0727 | 4<br>7 pH<br>10 | 4.04<br>7.07<br>10.02 | ✓<br>✓<br>✓ | 25.2<br>25.9<br>25.9 | KH |
| | | | 3900 µs/cm<br>229.5 mV<br>100% DO | 3905<br>229.4<br>93% | ✓<br>✓<br>✓ | 25.9<br>25.9<br>25.9 | KH |
| YSI-ProPlus | 12H100513 | 8/28/14<br>0719 | 4<br>7 pH<br>10 | 4.03<br>7.03<br>9.99 | ✓<br>✓<br>✓ | 25.9<br>26.1<br>26.2 | KH |
| ↓ | ↓ | | 3900 µs/cm<br>229.5<br>100% DO | 3980<br>230.8<br>91.3 | ✓<br>✓<br>✓ | 25.7<br>25.8<br>25.1 | KH |
| | | 8-29-14<br>0700 | 4 pH<br>7<br>10 | 4.01<br>7.03<br>9.97 | ✓<br>✓<br>✓ | 25.2<br>25.4<br>25.4 | [illegible] |
| ↓ | ↓ | | 3900 µs/cm<br>230 mV<br>100% DO | 3897<br>231.0<br>92.4 | ✓<br>✓<br>✓ | 26.1<br>25.6<br>26.0 | [illegible] |
| | | | | | | | |
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*Appendix C*

*Chain-of-Custody Forms and Laboratory Data*

Northern California
ACCUTEST
LABORATORIES

09/23/14

# Technical Report for

ERM-Irvine

BF Goodrich Superfund Sampling,Rialto

BF GOODRICH SUPERFUND SAMPLING

Accutest Job Number: C35733

Sampling Date: 08/27/14

Report to:

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christopher.berg@erm.com
ATTN: Christopher Berg

Total number of pages in report: **83**

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

James J. Rhudy
Lab Director

Client Service contact: Nutan Kabir 408-588-0200

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

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Accutest Laboratories

# Sample Summary

ERM-Irvine

**Job No:** C35733

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

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| C35733-1 | 08/27/14 | 00:00 | TW | 08/29/14 | AQ | Trip Blank Water | 27082014TB-1 |
| C35733-2 | 08/27/14 | 07:30 | TW | 08/29/14 | AQ | Ground Water | PW-6E-GW-27/08/2014 |
| C35733-3 | 08/27/14 | 08:10 | TW | 08/29/14 | AQ | Ground Water | PW-6D-GW-27/08/2014 |
| C35733-3D | 08/27/14 | 08:10 | TW | 08/29/14 | AQ | Water Dup/MSD | PW-6D-GW-27/08/2014 |
| C35733-3S | 08/27/14 | 08:10 | TW | 08/29/14 | AQ | Water Matrix Spike | PW-6D-GW-27/08/2014 |
| C35733-4 | 08/27/14 | 08:30 | TW | 08/29/14 | AQ | Equipment Blank | 27082014EB-1 |
| C35733-5 | 08/27/14 | 09:00 | TW | 08/29/14 | AQ | Ground Water | PW-6C-GW-27/08/2014 |
| C35733-6 | 08/27/14 | 09:30 | TW | 08/29/14 | AQ | Ground Water | PW-6B-GW-27/08/2014 |
| C35733-7 | 08/27/14 | 10:40 | TW | 08/29/14 | AQ | Ground Water | PW-7G-GW-27/08/2014 |
| C35733-8 | 08/27/14 | 11:20 | TW | 08/29/14 | AQ | Ground Water | PW-7F-GW-27/08/2014 |
| C35733-8D | 08/27/14 | 11:20 | TW | 08/29/14 | AQ | Water Dup/MSD | PW-7F-GW-27/08/2014 |
| C35733-8S | 08/27/14 | 11:20 | TW | 08/29/14 | AQ | Water Matrix Spike | PW-7F-GW-27/08/2014 |
| C35733-9 | 08/27/14 | 12:00 | TW | 08/29/14 | AQ | Ground Water | PW-7E-GW-27/08/2014 |

Accutest Laboratories

# Sample Summary
(continued)

ERM-Irvine

**Job No:** C35733

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

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| C35733-10 | 08/27/14 | 12:35 | TW | 08/29/14 | AQ | Ground Water | PW-7D-GW-27/08/2014 |
| C35733-11 | 08/27/14 | 13:05 | TW | 08/29/14 | AQ | Ground Water | PW-7C-GW-27/08/2014 |
| C35733-12 | 08/27/14 | 13:35 | TW | 08/29/14 | AQ | Ground Water | PW-7B-GW-27/08/2014 |

2

# Summary of Hits

**Job Number:** C35733
**Account:** ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto
**Collected:** 08/27/14

| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| **C35733-1** | **27082014TB-1** | | | | | |
| No hits reported in this sample. | | | | | | |
| **C35733-2** | **PW-6E-GW-27/08/2014** | | | | | |
| Specific Conductivity | | 359 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35733-3** | **PW-6D-GW-27/08/2014** | | | | | |
| Trichloroethylene | | 9.1 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 420 | 75 | 7.8 | ug/l | EPA 314 |
| Specific Conductivity | | 346 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35733-4** | **27082014EB-1** | | | | | |
| Specific Conductivity | | 3.7 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35733-5** | **PW-6C-GW-27/08/2014** | | | | | |
| Trichloroethylene | | 4.1 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 42.5 | 3.0 | 0.31 | ug/l | EPA 314 |
| Specific Conductivity | | 239 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35733-6** | **PW-6B-GW-27/08/2014** | | | | | |
| Trichloroethylene | | 4.4 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 123 | 15 | 1.6 | ug/l | EPA 314 |
| Specific Conductivity | | 252 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35733-7** | **PW-7G-GW-27/08/2014** | | | | | |
| Perchlorate | | 4.6 | 3.0 | 0.31 | ug/l | EPA 314 |
| Specific Conductivity | | 323 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35733-8** | **PW-7F-GW-27/08/2014** | | | | | |
| Trichloroethylene | | 0.75 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 31.7 | 6.0 | 0.63 | ug/l | EPA 314 |
| Specific Conductivity | | 428 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35733-9** | **PW-7E-GW-27/08/2014** | | | | | |
| Trichloroethylene | | 3.9 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 33.0 | 3.0 | 0.31 | ug/l | EPA 314 |

# Summary of Hits

**Job Number:** C35733
**Account:** ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto
**Collected:** 08/27/14

| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| Specific Conductivity | | 488 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35733-10** | **PW-7D-GW-27/08/2014** | | | | | |
| Perchlorate | | 1.1 J | 3.0 | 0.31 | ug/l | EPA 314 |
| Specific Conductivity | | 530 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35733-11** | **PW-7C-GW-27/08/2014** | | | | | |
| Trichloroethylene | | 1.1 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 6.2 | 3.0 | 0.31 | ug/l | EPA 314 |
| Specific Conductivity | | 546 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35733-12** | **PW-7B-GW-27/08/2014** | | | | | |
| Trichloroethylene | | 0.89 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 4.0 | 3.0 | 0.31 | ug/l | EPA 314 |
| Specific Conductivity | | 451 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |

Northern California ACCUTEST LABORATORIES



## Sample Results

Report of Analysis

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 27082014TB-1 | | |
| **Lab Sample ID:** | C35733-1 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Trip Blank Water | **Date Received:** | 08/29/14 |
| **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 | W48113.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 27082014TB-1 | | |
| **Lab Sample ID:** | C35733-1 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Trip Blank Water | **Date Received:** | 08/29/14 |
| **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 [a] | 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 [a] | 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 | 102% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 106% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 27082014TB-1 | | |
| **Lab Sample ID:** | C35733-1 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Trip Blank Water | **Date Received:** | 08/29/14 |
| **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:** | PW-6E-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-2 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 | W48114.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-6E-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-2 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 [a] | 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 [a] | 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 | 103% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 105% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-6E-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-2 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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:** | PW-6E-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-2 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 0.31 U | 3.0 | 0.31 | ug/l | 1 | 09/11/14 20:28 | PH | EPA 314 |
| Specific Conductivity | 359 | 1.0 | 1.0 | umhos/cm | 1 | 09/11/14 11:00 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-6D-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-3 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 | W48115.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-6D-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-3 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 [a] | 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 [a] | 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 | 9.1 | 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 | 104% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 106% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-6D-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-3 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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:** | PW-6D-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-3 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 420 | 75 | 7.8 | ug/l | 25 | 09/12/14 07:47 | PH | EPA 314 |
| Specific Conductivity | 346 | 1.0 | 1.0 | umhos/cm | 1 | 09/11/14 11:00 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 27082014EB-1 | | |
| **Lab Sample ID:** | C35733-4 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Equipment Blank | **Date Received:** | 08/29/14 |
| **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 | W48116.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 27082014EB-1 | | |
| **Lab Sample ID:** | C35733-4 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Equipment Blank | **Date Received:** | 08/29/14 |
| **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 [a] | 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 [a] | 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 | 105% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 106% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 27082014EB-1 | | |
| **Lab Sample ID:** | C35733-4 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Equipment Blank | **Date Received:** | 08/29/14 |
| **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:** | 27082014EB-1 | | |
| **Lab Sample ID:** | C35733-4 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Equipment Blank | **Date Received:** | 08/29/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 0.31 U | 3.0 | 0.31 | ug/l | 1 | 09/11/14 22:13 | PH | EPA 314 |
| Specific Conductivity | 3.7 | 1.0 | 1.0 | umhos/cm | 1 | 09/11/14 11:00 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-6C-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-5 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 | W48117.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-6C-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-5 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 [a] | 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 [a] | 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 | 4.1 | 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 | 106% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 105% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-6C-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-5 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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:** | PW-6C-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-5 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 42.5 | 3.0 | 0.31 | ug/l | 1 | 09/12/14 01:42 | PH | EPA 314 |
| Specific Conductivity | 239 | 1.0 | 1.0 | umhos/cm | 1 | 09/11/14 11:00 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-6B-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-6 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 | W48118.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-6B-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-6 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 [a] | 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 [a] | 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 | 106% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 107% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-6B-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-6 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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-6B-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-6 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 123 | 15 | 1.6 | ug/l | 5 | 09/12/14 10:20 | PH | EPA 314 |
| Specific Conductivity | 252 | 1.0 | 1.0 | umhos/cm | 1 | 09/11/14 11:00 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-7G-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-7 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 | W48119.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-7G-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-7 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 [a] | 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 [a] | 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 | 106% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 106% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-7G-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-7 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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:** | PW-7G-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-7 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 4.6 | 3.0 | 0.31 | ug/l | 1 | 09/12/14 02:16 | PH | EPA 314 |
| Specific Conductivity | 323 | 1.0 | 1.0 | umhos/cm | 1 | 09/11/14 12:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-7F-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-8 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 | W48206.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-7F-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-8 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 [a] | 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 | 0.75 | 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 | 104% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 104% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-7F-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-8 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 | 98% | | 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-7F-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-8 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 31.7 | 6.0 | 0.63 | ug/l | 2 | 09/12/14 10:39 | PH | EPA 314 |
| Specific Conductivity | 428 | 1.0 | 1.0 | umhos/cm | 1 | 09/11/14 12:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-7E-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-9 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 | W48207.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-7E-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-9 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 [a] | 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 | 3.9 | 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 | 104% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 104% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-7E-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-9 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 | 98% | | 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-7E-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-9 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 33.0 | 3.0 | 0.31 | ug/l | 1 | 09/12/14 04:01 | PH | EPA 314 |
| Specific Conductivity | 488 | 1.0 | 1.0 | umhos/cm | 1 | 09/11/14 12:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-7D-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-10 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 | W48208.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-7D-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-10 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 [a] | 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 | 105% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 104% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-7D-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-10 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 | 98% | | 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-7D-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-10 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 1.1 J | 3.0 | 0.31 | ug/l | 1 | 09/12/14 04:18 | PH | EPA 314 |
| Specific Conductivity | 530 | 1.0 | 1.0 | umhos/cm | 1 | 09/11/14 12:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-7C-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-11 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 | W48209.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-7C-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-11 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 [a] | 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 | 1.1 | 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 | 105% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 104% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-7C-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-11 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 | 98% | | 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-7C-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-11 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 6.2 | 3.0 | 0.31 | ug/l | 1 | 09/12/14 04:36 | PH | EPA 314 |
| Specific Conductivity | 546 | 1.0 | 1.0 | umhos/cm | 1 | 09/11/14 12:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-7B-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-12 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 | W48210.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-7B-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-12 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 [a] | 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 | 0.89 | 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 | 110% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 105% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-7B-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-12 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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-7B-GW-27/08/2014 | | |
| **Lab Sample ID:** | C35733-12 | **Date Sampled:** | 08/27/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 4.0 | 3.0 | 0.31 | ug/l | 1 | 09/12/14 04:53 | PH | EPA 314 |
| Specific Conductivity | 451 | 1.0 | 1.0 | umhos/cm | 1 | 09/11/14 12:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

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

ERM CAE 5237

CHAIN OF CUSTODY

CLIENT: ERM

SITE: BF Goodrich Rialto Superfund Site

Project Code/Job #: 0179962.04.C

CONDUCT ANALYSIS TO DETECT

LAB - Accutest C35733 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

CC:
Darren.Burgett@erm.com
Christopher.Berg@erm.com

| SAMPLE I.D. | DATE | TIME | MATRIX | CONTAINERS # | VOC's 8260B | Perchlorate 314.0 | ADD'L INFORMATION | |
|---|---|---|---|---|---|---|---|---|
| 27082014TB-1 | 8-27-14 | 0700 | W | 3 | X | | | -1 |
| PW-6E-GW-27/08/2014 | | 0730 | | 4 | X | X | | -2 |
| PW-6D-GW-27/08/2014 | | 0810 | | 12 | X | X | MS/MSD | -3 |
| 27082014EB-1 | | 0830 | | 4 | X | X | | -4 |
| PW-6C-GW-27/08/2014 | | 0900 | | 4 | X | X | | -5 |
| PW-6B-GW-27/08/2014 | | 0930 | | 4 | X | X | | -6 |
| PW-7G-GW-27/08/2014 | | 1040 | | 4 | X | X | | -7 |
| PW-7F-GW-27/08/2014 | | 1120 | | 12 | X | X | MS/MSD | -8 |
| PW-7E-GW-27/08/2014 | | 1200 | | 4 | X | X | | -9 |
| PW-7D-GW-27/08/2014 | | 1235 | | 4 | X | X | | -10 |

SAMPLING COMPLETED: DATE 8-27-14 TIME 1345
SAMPLING PERFORMED BY: AWolff

RESULTS NEEDED NO LATER THAN: As Contracted

RELEASED BY: [signature] TIME 1600 RECEIVED BY: Nicole TIME 1600

RELEASED BY: Nicole TIME RECEIVED BY: [signature] 8-27-14 TIME 1640

RELEASED BY: [signature] 8-27-14 TIME 1800 RECEIVED BY: TIME

SHIPPED VIA: FEDEX # 8050 5131 1412 / 8/28/14 7803 8607 0072 / 8/29/14 TIME SENT: COOLER #: 2.4-0.3=2.1°C / 3.8-0.3=3.5°C

FEDEX RELINQ - 8/28/14 0909 / 8/29/14 0932 / RECVD [signature]

IRVINE

**C35733: Chain of Custody**
**Page 1 of 3**

**BLAINE**
TECH SERVICES, INC.

1660 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

LAB - Accutest C35733 COC 2 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

CC:
Darren.Burgett@erm.com
Christopher.Berg@erm.com

CONDUCT ANALYSIS TO DETECT

| SAMPLE I.D. | DATE | TIME | MATRIX | CONTAINERS # | VOC's 8260B | Perchlorate 314.0 | ADD'L INFORMATION | |
|---|---|---|---|---|---|---|---|---|
| PW-7C-GW-27/08/2014 | 8-27-14 | 1305 | W | 4 | X | X | | -11 |
| PW-7B-GW-27/08/2014 | 8-27-14 | 1335 | W | 4 | X | X | | -12 |

| | | | |
|---|---|---|---|
| SAMPLING COMPLETED: DATE 8-27-14 TIME 1345 | SAMPLING PERFORMED BY: AW.Iff | RESULTS NEEDED NO LATER THAN | As Contracted |
| RELEASED BY: [signature] | TIME 1600 | RECEIVED BY: Nicole | TIME 1600 |
| RELEASED BY: Nicole | TIME | RECEIVED BY: [signature] 8-27-14 | TIME 1641 |
| RELEASED BY: [signature] 8-27-14 | TIME 1800 | RECEIVED BY: | TIME |
| SHIPPED VIA | TIME SENT | COOLER # | |

VX RELINQ - 8/28/14 - 0909
8/29/14 0933

IRVINE

**C35733: Chain of Custody**
**Page 2 of 3**

# Accutest Laboratories Sample Receipt Summary

**Accutest Job Number:** C35733 **Client:** BLAINER TECH **Project:** BF GOODRICH RIALTO SUPERFUND SITE

**Date / Time Received:** 8/29/2014 **Delivery Method:** FedEx **Airbill #'s:** 805051311412

**Cooler Temps (Initial/Adjusted):** #1: (2.4/2.1); #2: (3.8/3.5);

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

| Cooler Temperature | Y | or | N |
|---|---|---|---|
| 1. Temp criteria achieved: | ☑ | | ☐ |
| 2. Cooler temp verification: | IR1; | | |
| 3. Cooler media: | Ice (Bag) | | |
| 4. No. Coolers: | 2 | | |

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

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

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

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

Comments
Cooler 1 Recvd 8/28/14 Fedex Trk#805051311412 Temp= 2.4-0.3=2.1
Cooler 2 Recvd 8/29/14 Fedex Trk#780138670072 Temp= 3.8-0.3=3.5

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



**C35733: 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:** C35733
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1730-MB | W48112.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |



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

C35733-1, C35733-2, C35733-3, C35733-4, C35733-5, C35733-6, C35733-7

| 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:** C35733
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1730-MB | W48112.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |



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

C35733-1, C35733-2, C35733-3, C35733-4, C35733-5, C35733-6, C35733-7

| 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 | 102% | 70-130% |

# Method Blank Summary



**Job Number:** C35733
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1730-MB | W48112.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |

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

C35733-1, C35733-2, C35733-3, C35733-4, C35733-5, C35733-6, C35733-7

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 105% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | 70-130% |

# Method Blank Summary



**Job Number:** C35733
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1733-MB | W48196.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |



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

C35733-8, C35733-9, C35733-10, C35733-11, C35733-12

| 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:** C35733
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1733-MB | W48196.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |



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

C35733-8, C35733-9, C35733-10, C35733-11, C35733-12

| 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 | 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 | 103% | 70-130% |

# Method Blank Summary



**Job Number:** C35733
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1733-MB | W48196.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |

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

C35733-8, C35733-9, C35733-10, C35733-11, C35733-12

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 105% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | 70-130% |

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35733
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1730-BS | W48109.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| VW1730-BSD | W48110.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |



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

C35733-1, C35733-2, C35733-3, C35733-4, C35733-5, C35733-6, C35733-7

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 80 | 109 | 136 | 108 | 135 | 1 | 38-159/24 |
| 71-43-2 | Benzene | 20 | 19.0 | 95 | 18.7 | 94 | 2 | 77-122/25 |
| 108-86-1 | Bromobenzene | 20 | 18.7 | 94 | 18.9 | 95 | 1 | 76-126/17 |
| 74-97-5 | Bromochloromethane | 20 | 22.3 | 112 | 22.5 | 113 | 1 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | 20 | 20.0 | 100 | 20.2 | 101 | 1 | 75-127/16 |
| 75-25-2 | Bromoform | 20 | 17.2 | 86 | 17.3 | 87 | 1 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | 20 | 19.4 | 97 | 19.0 | 95 | 2 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | 20 | 18.7 | 94 | 18.4 | 92 | 2 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | 20 | 18.1 | 91 | 18.1 | 91 | 0 | 73-127/18 |
| 108-90-7 | Chlorobenzene | 20 | 18.1 | 91 | 18.0 | 90 | 1 | 77-122/16 |
| 75-00-3 | Chloroethane | 20 | 25.1 | 126 | 24.5 | 123 | 2 | 69-133/18 |
| 67-66-3 | Chloroform | 20 | 23.6 | 118 | 23.1 | 116 | 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 | 19.3 | 97 | 19.1 | 96 | 1 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | 20 | 20.2 | 101 | 19.7 | 99 | 3 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | 20 | 23.8 | 119 | 23.2 | 116 | 3 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | 20 | 22.0 | 110 | 21.7 | 109 | 1 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | 20 | 19.2 | 96 | 18.8 | 94 | 2 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 20 | 19.7 | 99 | 19.7 | 99 | 0 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | 20 | 17.9 | 90 | 18.3 | 92 | 2 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | 20 | 19.3 | 97 | 19.3 | 97 | 0 | 71-131/17 |
| 78-87-5 | 1,2-Dichloropropane | 20 | 19.5 | 98 | 19.3 | 97 | 1 | 78-124/16 |
| 142-28-9 | 1,3-Dichloropropane | 20 | 18.2 | 91 | 18.5 | 93 | 2 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | 20 | 23.2 | 116 | 22.9 | 115 | 1 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | 20 | 24.6 | 123 | 23.7 | 119 | 4 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | 20 | 17.2 | 86 | 17.4 | 87 | 1 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | 20 | 22.8 | 114 | 21.6 | 108 | 5 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | 20 | 22.6 | 113 | 22.3 | 112 | 1 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | 20 | 19.7 | 99 | 19.8 | 99 | 1 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | 20 | 19.1 | 96 | 19.0 | 95 | 1 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | 20 | 18.6 | 93 | 18.9 | 95 | 2 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | 20 | 18.6 | 93 | 18.8 | 94 | 1 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | 20 | 22.5 | 113 | 22.1 | 111 | 2 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | 20 | 19.1 | 96 | 19.3 | 97 | 1 | 71-126/16 |
| 100-41-4 | Ethylbenzene | 20 | 18.3 | 92 | 18.0 | 90 | 2 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | 20 | 23.0 | 115 | 23.0 | 115 | 0 | 75-134/17 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35733
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1730-BS | W48109.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| VW1730-BSD | W48110.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |



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

C35733-1, C35733-2, C35733-3, C35733-4, C35733-5, C35733-6, C35733-7

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | 80 | 77.4 | 97 | 77.0 | 96 | 1 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | 20 | 18.8 | 94 | 18.5 | 93 | 2 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | 20 | 18.1 | 91 | 17.9 | 90 | 1 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | 20 | 18.5 | 93 | 18.4 | 92 | 1 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | 80 | 78.3 | 98 | 77.8 | 97 | 1 | 71-142/21 |
| 74-83-9 | Methyl bromide | 20 | 25.9 | 130 | 25.7 | 129 | 1 | 68-132/18 |
| 74-87-3 | Methyl chloride | 20 | 26.2 | 131 | 25.2 | 126 | 4 | 39-150/28 |
| 74-95-3 | Methylene bromide | 20 | 19.6 | 98 | 19.8 | 99 | 1 | 77-127/16 |
| 75-09-2 | Methylene chloride | 20 | 21.5 | 108 | 21.3 | 107 | 1 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | 80 | 99.8 | 125 | 100 | 125 | 0 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | 20 | 22.4 | 112 | 22.7 | 114 | 1 | 73-132/17 |
| 91-20-3 | Naphthalene | 20 | 18.2 | 91 | 18.4 | 92 | 1 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | 20 | 18.9 | 95 | 18.7 | 94 | 1 | 71-127/17 |
| 100-42-5 | Styrene | 20 | 17.6 | 88 | 17.5 | 88 | 1 | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | 20 | 22.2 | 111 | 22.3 | 112 | 0 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | 100 | 174 | 174* | 176 | 176* | 1 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 20 | 18.8 | 94 | 18.9 | 95 | 1 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | 20 | 23.4 | 117 | 22.6 | 113 | 3 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20 | 18.8 | 94 | 19.5 | 98 | 4 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | 20 | 18.0 | 90 | 18.3 | 92 | 2 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 20 | 17.7 | 89 | 18.0 | 90 | 2 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | 20 | 17.1 | 86 | 17.5 | 88 | 2 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20 | 18.0 | 90 | 18.0 | 90 | 0 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 20 | 18.8 | 94 | 18.6 | 93 | 1 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 20 | 18.7 | 94 | 18.6 | 93 | 1 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | 20 | 17.8 | 89 | 17.6 | 88 | 1 | 69-127/20 |
| 108-88-3 | Toluene | 20 | 18.1 | 91 | 17.9 | 90 | 1 | 75-122/17 |
| 79-01-6 | Trichloroethylene | 20 | 19.6 | 98 | 19.2 | 96 | 2 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | 20 | 23.1 | 116 | 22.4 | 112 | 3 | 65-136/23 |
| 75-01-4 | Vinyl chloride | 20 | 23.0 | 115 | 22.3 | 112 | 3 | 57-146/22 |
| 1330-20-7 | Xylene (total) | 60 | 53.9 | 90 | 53.3 | 89 | 1 | 77-125/17 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 130% | 128% | 70-130% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35733
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1730-BS | W48109.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| VW1730-BSD | W48110.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |

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

C35733-1, C35733-2, C35733-3, C35733-4, C35733-5, C35733-6, C35733-7

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 100% | 100% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 103% | 103% | 70-130% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35733
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1733-BS | W48193.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| VW1733-BSD | W48194.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |



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

C35733-8, C35733-9, C35733-10, C35733-11, C35733-12

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 80 | 88.0 | 110 | 81.9 | 102 | 7 | 38-159/24 |
| 71-43-2 | Benzene | 20 | 18.5 | 93 | 18.5 | 93 | 0 | 77-122/25 |
| 108-86-1 | Bromobenzene | 20 | 20.0 | 100 | 19.8 | 99 | 1 | 76-126/17 |
| 74-97-5 | Bromochloromethane | 20 | 19.0 | 95 | 19.1 | 96 | 1 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | 20 | 19.0 | 95 | 19.0 | 95 | 0 | 75-127/16 |
| 75-25-2 | Bromoform | 20 | 17.9 | 90 | 18.0 | 90 | 1 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | 20 | 18.4 | 92 | 18.0 | 90 | 2 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | 20 | 19.6 | 98 | 19.1 | 96 | 3 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | 20 | 19.5 | 98 | 19.1 | 96 | 2 | 73-127/18 |
| 108-90-7 | Chlorobenzene | 20 | 19.2 | 96 | 19.3 | 97 | 1 | 77-122/16 |
| 75-00-3 | Chloroethane | 20 | 19.8 | 99 | 19.9 | 100 | 1 | 69-133/18 |
| 67-66-3 | Chloroform | 20 | 19.6 | 98 | 19.4 | 97 | 1 | 74-126/17 |
| 95-49-8 | o-Chlorotoluene | 20 | 21.2 | 106 | 20.6 | 103 | 3 | 72-127/20 |
| 106-43-4 | p-Chlorotoluene | 20 | 20.4 | 102 | 20.0 | 100 | 2 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | 20 | 20.8 | 104 | 20.7 | 104 | 0 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | 20 | 19.2 | 96 | 19.1 | 96 | 1 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | 20 | 19.5 | 98 | 19.4 | 97 | 1 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | 20 | 20.4 | 102 | 20.2 | 101 | 1 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 20 | 19.7 | 99 | 18.8 | 94 | 5 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | 20 | 18.5 | 93 | 18.6 | 93 | 1 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | 20 | 18.0 | 90 | 18.2 | 91 | 1 | 71-131/17 |
| 78-87-5 | 1,2-Dichloropropane | 20 | 18.6 | 93 | 18.6 | 93 | 0 | 78-124/16 |
| 142-28-9 | 1,3-Dichloropropane | 20 | 18.3 | 92 | 18.3 | 92 | 0 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | 20 | 19.2 | 96 | 19.1 | 96 | 1 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | 20 | 20.9 | 105 | 20.4 | 102 | 2 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | 20 | 17.5 | 88 | 17.6 | 88 | 1 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | 20 | 19.5 | 98 | 18.2 | 91 | 7 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | 20 | 19.4 | 97 | 19.2 | 96 | 1 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | 20 | 19.4 | 97 | 19.7 | 99 | 2 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | 20 | 20.4 | 102 | 20.1 | 101 | 1 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | 20 | 20.0 | 100 | 19.8 | 99 | 1 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | 20 | 19.3 | 97 | 19.2 | 96 | 1 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | 20 | 19.1 | 96 | 18.9 | 95 | 1 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | 20 | 18.8 | 94 | 19.0 | 95 | 1 | 71-126/16 |
| 100-41-4 | Ethylbenzene | 20 | 18.6 | 93 | 18.4 | 92 | 1 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | 20 | 21.2 | 106 | 21.3 | 107 | 0 | 75-134/17 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35733
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1733-BS | W48193.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| VW1733-BSD | W48194.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |



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

C35733-8, C35733-9, C35733-10, C35733-11, C35733-12

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | 80 | 73.7 | 92 | 72.9 | 91 | 1 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | 20 | 16.7 | 84 | 16.4 | 82 | 2 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | 20 | 18.9 | 95 | 18.9 | 95 | 0 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | 20 | 18.6 | 93 | 18.1 | 91 | 3 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | 80 | 69.2 | 87 | 69.0 | 86 | 0 | 71-142/21 |
| 74-83-9 | Methyl bromide | 20 | 18.8 | 94 | 19.1 | 96 | 2 | 68-132/18 |
| 74-87-3 | Methyl chloride | 20 | 19.1 | 96 | 18.8 | 94 | 2 | 39-150/28 |
| 74-95-3 | Methylene bromide | 20 | 19.0 | 95 | 19.0 | 95 | 0 | 77-127/16 |
| 75-09-2 | Methylene chloride | 20 | 17.7 | 89 | 17.9 | 90 | 1 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | 80 | 79.8 | 100 | 77.9 | 97 | 2 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | 20 | 20.0 | 100 | 20.1 | 101 | 0 | 73-132/17 |
| 91-20-3 | Naphthalene | 20 | 17.2 | 86 | 16.7 | 84 | 3 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | 20 | 20.2 | 101 | 19.7 | 99 | 3 | 71-127/17 |
| 100-42-5 | Styrene | 20 | 18.0 | 90 | 18.1 | 91 | 1 | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | 20 | 20.1 | 101 | 20.1 | 101 | 0 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | 100 | 145 | 145 | 183 | 183* | 23 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 20 | 19.5 | 98 | 19.6 | 98 | 1 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | 20 | 20.2 | 101 | 20.0 | 100 | 1 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20 | 19.8 | 99 | 19.3 | 97 | 3 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | 20 | 18.3 | 92 | 18.4 | 92 | 1 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 20 | 15.9 | 80 | 15.6 | 78 | 2 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | 20 | 17.4 | 87 | 17.5 | 88 | 1 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20 | 16.4 | 82 | 16.3 | 82 | 1 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 20 | 19.0 | 95 | 18.6 | 93 | 2 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 20 | 20.1 | 101 | 19.5 | 98 | 3 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | 20 | 18.9 | 95 | 18.9 | 95 | 0 | 69-127/20 |
| 108-88-3 | Toluene | 20 | 18.7 | 94 | 18.5 | 93 | 1 | 75-122/17 |
| 79-01-6 | Trichloroethylene | 20 | 19.0 | 95 | 19.2 | 96 | 1 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | 20 | 21.3 | 107 | 21.3 | 107 | 0 | 65-136/23 |
| 75-01-4 | Vinyl chloride | 20 | 19.4 | 97 | 19.2 | 96 | 1 | 57-146/22 |
| 1330-20-7 | Xylene (total) | 60 | 56.1 | 94 | 55.8 | 93 | 1 | 77-125/17 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 105% | 105% | 70-130% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35733
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1733-BS | W48193.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| VW1733-BSD | W48194.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |

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

C35733-8, C35733-9, C35733-10, C35733-11, C35733-12

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 103% | 103% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | 100% | 70-130% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35733
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35733-3MS | W48130.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| C35733-3MSD | W48131.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| C35733-3 | W48115.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |



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

C35733-1, C35733-2, C35733-3, C35733-4, C35733-5, C35733-6, C35733-7

| CAS No. | Compound | C35733-3 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 80 | 96.9 | 121 | 80 | 96.7 | 121 | 0 | 38-159/24 |
| 71-43-2 | Benzene | ND | | 20 | 17.6 | 88 | 20 | 17.4 | 87 | 1 | 77-122/16 |
| 108-86-1 | Bromobenzene | ND | | 20 | 17.4 | 87 | 20 | 17.4 | 87 | 0 | 76-126/17 |
| 74-97-5 | Bromochloromethane | ND | | 20 | 19.6 | 98 | 20 | 19.8 | 99 | 1 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | ND | | 20 | 19.0 | 95 | 20 | 18.6 | 93 | 2 | 75-127/16 |
| 75-25-2 | Bromoform | ND | | 20 | 16.4 | 82 | 20 | 16.1 | 81 | 2 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | ND | | 20 | 16.8 | 84 | 20 | 16.7 | 84 | 1 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | ND | | 20 | 16.4 | 82 | 20 | 16.4 | 82 | 0 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | ND | | 20 | 16.3 | 82 | 20 | 16.5 | 83 | 1 | 73-127/18 |
| 108-90-7 | Chlorobenzene | ND | | 20 | 16.9 | 85 | 20 | 16.9 | 85 | 0 | 77-122/16 |
| 75-00-3 | Chloroethane | ND | | 20 | 24.7 | 124 | 20 | 24.0 | 120 | 3 | 69-133/18 |
| 67-66-3 | Chloroform | ND | | 20 | 21.7 | 109 | 20 | 21.3 | 107 | 2 | 74-126/17 |
| 95-49-8 | o-Chlorotoluene | ND | | 20 | 18.3 | 92 | 20 | 18.2 | 91 | 1 | 72-127/20 |
| 106-43-4 | p-Chlorotoluene | ND | | 20 | 18.2 | 91 | 20 | 18.3 | 92 | 1 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | ND | | 20 | 18.0 | 90 | 20 | 17.5 | 88 | 3 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 20 | 22.1 | 111 | 20 | 21.6 | 108 | 2 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | ND | | 20 | 18.9 | 95 | 20 | 18.8 | 94 | 1 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | ND | | 20 | 17.3 | 87 | 20 | 17.0 | 85 | 2 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | 20 | 19.1 | 96 | 20 | 18.3 | 92 | 4 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | ND | | 20 | 17.0 | 85 | 20 | 16.9 | 85 | 1 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 20 | 18.6 | 93 | 20 | 18.2 | 91 | 2 | 71-131/17 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 20 | 18.4 | 92 | 20 | 18.1 | 91 | 2 | 78-124/16 |
| 142-28-9 | 1,3-Dichloropropane | ND | | 20 | 17.5 | 88 | 20 | 17.4 | 87 | 1 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | ND | | 20 | 22.2 | 111 | 20 | 21.4 | 107 | 4 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | ND | | 20 | 20.3 | 102 | 20 | 19.5 | 98 | 4 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | ND | | 20 | 16.3 | 82 | 20 | 16.1 | 81 | 1 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 20 | 23.7 | 119 | 20 | 21.9 | 110 | 8 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | 20 | 20.4 | 102 | 20 | 20.0 | 100 | 2 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 20 | 17.9 | 90 | 20 | 17.8 | 89 | 1 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | ND | | 20 | 17.6 | 88 | 20 | 17.7 | 89 | 1 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | ND | | 20 | 17.5 | 88 | 20 | 17.6 | 88 | 1 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | ND | | 20 | 17.3 | 87 | 20 | 17.5 | 88 | 1 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | 20 | 19.9 | 100 | 20 | 19.8 | 99 | 1 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 20 | 17.9 | 90 | 20 | 17.8 | 89 | 1 | 71-126/16 |
| 100-41-4 | Ethylbenzene | ND | | 20 | 17.1 | 86 | 20 | 16.9 | 85 | 1 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | ND | | 20 | 21.7 | 109 | 20 | 20.9 | 105 | 4 | 75-134/17 |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary

**Job Number:** C35733
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35733-3MS | W48130.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| C35733-3MSD | W48131.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| C35733-3 | W48115.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |



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

C35733-1, C35733-2, C35733-3, C35733-4, C35733-5, C35733-6, C35733-7

| CAS No. | Compound | C35733-3 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | | 80 | 74.5 | 93 | 80 | 72.2 | 90 | 3 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | ND | | 20 | 14.6 | 73 | 20 | 14.9 | 75 | 2 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | ND | | 20 | 16.7 | 84 | 20 | 16.4 | 82 | 2 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | ND | | 20 | 16.3 | 82 | 20 | 16.5 | 83 | 1 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | 80 | 74.9 | 94 | 80 | 71.8 | 90 | 4 | 71-142/21 |
| 74-83-9 | Methyl bromide | ND | | 20 | 23.9 | 120 | 20 | 23.8 | 119 | 0 | 68-132/18 |
| 74-87-3 | Methyl chloride | ND | | 20 | 25.9 | 130 | 20 | 24.1 | 121 | 7 | 39-150/28 |
| 74-95-3 | Methylene bromide | ND | | 20 | 18.5 | 93 | 20 | 18.3 | 92 | 1 | 77-127/16 |
| 75-09-2 | Methylene chloride | ND | | 20 | 19.4 | 97 | 20 | 19.1 | 96 | 2 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | ND | | 80 | 88.8 | 111 | 80 | 86.5 | 108 | 3 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | | 20 | 20.9 | 105 | 20 | 20.3 | 102 | 3 | 73-132/17 |
| 91-20-3 | Naphthalene | ND | | 20 | 16.5 | 83 | 20 | 16.6 | 83 | 1 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | ND | | 20 | 17.3 | 87 | 20 | 17.4 | 87 | 1 | 71-127/17 |
| 100-42-5 | Styrene | ND | | 20 | 16.5 | 83 | 20 | 16.4 | 82 | 1 | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | | 20 | 20.7 | 104 | 20 | 20.1 | 101 | 3 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | ND | | 100 | 142 | 142 | 100 | 144 | 144 | 1 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | 20 | 17.8 | 89 | 20 | 17.5 | 88 | 2 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 20 | 21.1 | 106 | 20 | 20.6 | 103 | 2 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 20 | 18.1 | 91 | 20 | 18.0 | 90 | 1 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 20 | 17.4 | 87 | 20 | 17.0 | 85 | 2 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | 20 | 15.5 | 78 | 20 | 15.7 | 79 | 1 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | 20 | 16.1 | 81 | 20 | 15.6 | 78 | 3 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 20 | 15.7 | 79 | 20 | 15.9 | 80 | 1 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | 20 | 17.3 | 87 | 20 | 17.5 | 88 | 1 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | 20 | 17.2 | 86 | 20 | 17.4 | 87 | 1 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | ND | | 20 | 15.7 | 79 | 20 | 15.5 | 78 | 1 | 69-127/20 |
| 108-88-3 | Toluene | ND | | 20 | 16.9 | 85 | 20 | 16.9 | 85 | 0 | 75-122/17 |
| 79-01-6 | Trichloroethylene | 9.1 | | 20 | 26.0 | 85 | 20 | 25.7 | 83 | 1 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | ND | | 20 | 24.6 | 123 | 20 | 23.6 | 118 | 4 | 65-136/23 |
| 75-01-4 | Vinyl chloride | ND | | 20 | 23.3 | 117 | 20 | 22.9 | 115 | 2 | 57-146/22 |
| 1330-20-7 | Xylene (total) | ND | | 60 | 49.6 | 83 | 60 | 49.8 | 83 | 0 | 77-125/17 |

| CAS No. | Surrogate Recoveries | MS | MSD | C35733-3 | Limits |
|---|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 126% | 124% | 104% | 70-130% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35733
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35733-3MS | W48130.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| C35733-3MSD | W48131.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| C35733-3 | W48115.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |

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

C35733-1, C35733-2, C35733-3, C35733-4, C35733-5, C35733-6, C35733-7

| CAS No. | Surrogate Recoveries | MS | MSD | C35733-3 | Limits |
|---|---|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 103% | 103% | 106% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 105% | 102% | 100% | 70-130% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35733
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35733-8MS | W48213.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| C35733-8MSD | W48214.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| C35733-8 | W48206.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |



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

C35733-8, C35733-9, C35733-10, C35733-11, C35733-12

| CAS No. | Compound | C35733-8 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 80 | 79.7 | 100 | 80 | 82.2 | 103 | 3 | 38-159/24 |
| 71-43-2 | Benzene | ND | | 20 | 18.8 | 94 | 20 | 19.0 | 95 | 1 | 77-122/16 |
| 108-86-1 | Bromobenzene | ND | | 20 | 18.7 | 94 | 20 | 19.5 | 98 | 4 | 76-126/17 |
| 74-97-5 | Bromochloromethane | ND | | 20 | 18.2 | 91 | 20 | 18.6 | 93 | 2 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | ND | | 20 | 19.2 | 96 | 20 | 19.6 | 98 | 2 | 75-127/16 |
| 75-25-2 | Bromoform | ND | | 20 | 17.0 | 85 | 20 | 17.3 | 87 | 2 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | ND | | 20 | 18.9 | 95 | 20 | 19.0 | 95 | 1 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | ND | | 20 | 20.0 | 100 | 20 | 20.2 | 101 | 1 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | ND | | 20 | 19.4 | 97 | 20 | 19.8 | 99 | 2 | 73-127/18 |
| 108-90-7 | Chlorobenzene | ND | | 20 | 18.9 | 95 | 20 | 19.3 | 97 | 2 | 77-122/16 |
| 75-00-3 | Chloroethane | ND | | 20 | 21.9 | 110 | 20 | 21.5 | 108 | 2 | 69-133/18 |
| 67-66-3 | Chloroform | ND | | 20 | 20.4 | 102 | 20 | 20.5 | 103 | 0 | 74-126/17 |
| 95-49-8 | o-Chlorotoluene | ND | | 20 | 21.1 | 106 | 20 | 21.4 | 107 | 1 | 72-127/20 |
| 106-43-4 | p-Chlorotoluene | ND | | 20 | 20.6 | 103 | 20 | 21.1 | 106 | 2 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | ND | | 20 | 21.9 | 110 | 20 | 22.1 | 111 | 1 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 20 | 20.7 | 104 | 20 | 20.4 | 102 | 1 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | ND | | 20 | 20.0 | 100 | 20 | 20.1 | 101 | 0 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | ND | | 20 | 21.5 | 108 | 20 | 21.6 | 108 | 0 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | 20 | 18.6 | 93 | 20 | 19.4 | 97 | 4 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | ND | | 20 | 17.7 | 89 | 20 | 18.3 | 92 | 3 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 20 | 19.1 | 96 | 20 | 19.1 | 96 | 0 | 71-131/17 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 20 | 19.1 | 96 | 20 | 19.3 | 97 | 1 | 78-124/16 |
| 142-28-9 | 1,3-Dichloropropane | ND | | 20 | 18.4 | 92 | 20 | 18.5 | 93 | 1 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | ND | | 20 | 20.6 | 103 | 20 | 20.4 | 102 | 1 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | ND | | 20 | 20.2 | 101 | 20 | 19.6 | 98 | 3 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | ND | | 20 | 16.7 | 84 | 20 | 17.1 | 86 | 2 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 20 | 21.3 | 107 | 20 | 19.9 | 100 | 7 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | 20 | 19.6 | 98 | 20 | 19.6 | 98 | 0 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 20 | 18.9 | 95 | 20 | 19.5 | 98 | 3 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | ND | | 20 | 19.6 | 98 | 20 | 20.1 | 101 | 3 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | ND | | 20 | 19.3 | 97 | 20 | 19.7 | 99 | 2 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | ND | | 20 | 18.5 | 93 | 20 | 19.1 | 96 | 3 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | 20 | 19.3 | 97 | 20 | 19.5 | 98 | 1 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 20 | 18.5 | 93 | 20 | 18.7 | 94 | 1 | 71-126/16 |
| 100-41-4 | Ethylbenzene | ND | | 20 | 19.0 | 95 | 20 | 19.1 | 96 | 1 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | ND | | 20 | 22.0 | 110 | 20 | 21.9 | 110 | 0 | 75-134/17 |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35733
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35733-8MS | W48213.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| C35733-8MSD | W48214.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| C35733-8 | W48206.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |



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

C35733-8, C35733-9, C35733-10, C35733-11, C35733-12

| CAS No. | Compound | C35733-8 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | | 80 | 74.2 | 93 | 80 | 75.5 | 94 | 2 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | ND | | 20 | 15.6 | 78 | 20 | 16.3 | 82 | 4 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | ND | | 20 | 19.5 | 98 | 20 | 19.4 | 97 | 1 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | ND | | 20 | 18.6 | 93 | 20 | 18.9 | 95 | 2 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | 80 | 69.6 | 87 | 80 | 71.5 | 89 | 3 | 71-142/21 |
| 74-83-9 | Methyl bromide | ND | | 20 | 19.6 | 98 | 20 | 19.1 | 96 | 3 | 68-132/18 |
| 74-87-3 | Methyl chloride | ND | | 20 | 21.6 | 108 | 20 | 21.0 | 105 | 3 | 39-150/28 |
| 74-95-3 | Methylene bromide | ND | | 20 | 18.8 | 94 | 20 | 19.3 | 97 | 3 | 77-127/16 |
| 75-09-2 | Methylene chloride | ND | | 20 | 17.8 | 89 | 20 | 17.7 | 89 | 1 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | ND | | 80 | 75.2 | 94 | 80 | 78.8 | 99 | 5 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | | 20 | 20.0 | 100 | 20 | 20.1 | 101 | 0 | 73-132/17 |
| 91-20-3 | Naphthalene | ND | | 20 | 15.6 | 78 | 20 | 16.4 | 82 | 5 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | ND | | 20 | 20.4 | 102 | 20 | 20.8 | 104 | 2 | 71-127/17 |
| 100-42-5 | Styrene | ND | | 20 | 17.8 | 89 | 20 | 18.1 | 91 | 2 | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | | 20 | 20.0 | 100 | 20 | 20.3 | 102 | 1 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | ND | | 100 | 115 | 115 | 100 | 132 | 132 | 14 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | 20 | 19.2 | 96 | 20 | 19.2 | 96 | 0 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 20 | 21.7 | 109 | 20 | 21.5 | 108 | 1 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 20 | 19.0 | 95 | 20 | 19.5 | 98 | 3 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 20 | 18.2 | 91 | 20 | 18.3 | 92 | 1 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | 20 | 14.2 | 71 | 20 | 15.2 | 76 | 7 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | 20 | 16.8 | 84 | 20 | 16.7 | 84 | 1 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 20 | 14.9 | 75 | 20 | 15.7 | 79 | 5 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | 20 | 18.8 | 94 | 20 | 19.2 | 96 | 2 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | 20 | 19.8 | 99 | 20 | 20.2 | 101 | 2 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | ND | | 20 | 18.6 | 93 | 20 | 18.8 | 94 | 1 | 69-127/20 |
| 108-88-3 | Toluene | ND | | 20 | 18.7 | 94 | 20 | 18.9 | 95 | 1 | 75-122/17 |
| 79-01-6 | Trichloroethylene | 0.75 | J | 20 | 20.4 | 98 | 20 | 20.9 | 101 | 2 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | ND | | 20 | 23.9 | 120 | 20 | 23.2 | 116 | 3 | 65-136/23 |
| 75-01-4 | Vinyl chloride | ND | | 20 | 21.7 | 109 | 20 | 21.3 | 107 | 2 | 57-146/22 |
| 1330-20-7 | Xylene (total) | ND | | 60 | 55.8 | 93 | 60 | 56.7 | 95 | 2 | 77-125/17 |

| CAS No. | Surrogate Recoveries | MS | MSD | C35733-8 | Limits |
|---|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 107% | 105% | 104% | 70-130% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35733
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35733-8MS | W48213.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| C35733-8MSD | W48214.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| C35733-8 | W48206.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |

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

C35733-8, C35733-9, C35733-10, C35733-11, C35733-12

| CAS No. | Surrogate Recoveries | MS | MSD | C35733-8 | Limits |
|---|---|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 104% | 103% | 104% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | 99% | 98% | 70-130% |

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES



## General Chemistry

# QC Data Summaries

Includes the following where applicable:

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

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35733
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 | GP6795/GN14458 | 3.0 | 0.0 | ug/l | 25 | 23.5 | 94.0 | 85-115% |
| Perchlorate | GP6800/GN14463 | 3.0 | 0.0 | ug/l | 25 | 23.3 | 93.2 | 85-115% |
| Specific Conductivity | GN14464 | 1.0 | 0.0 | umhos/cm | | | | |
| Specific Conductivity | GN14465 | 1.0 | 0.0 | umhos/cm | | | | |

Associated Samples:
Batch GP6795: C35733-2, C35733-4
Batch GP6800: C35733-3, C35733-5, C35733-6, C35733-7, C35733-8, C35733-9, C35733-10, C35733-11, C35733-12
Batch GN14464: C35733-2, C35733-3, C35733-4, C35733-5, C35733-6
Batch GN14465: C35733-7, C35733-8, C35733-9, C35733-10, C35733-11, C35733-12
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35733
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

| Analyte | Batch ID | Units | Spike Amount | BSD Result | RPD | QC Limit |
|---|---|---|---|---|---|---|
| Perchlorate | GP6795/GN14458 | ug/l | 25 | 23.4 | 0.4 | |
| Perchlorate | GP6800/GN14463 | ug/l | 25 | 23.0 | 1.3 | |

Associated Samples:
Batch GP6795: C35733-2, C35733-4
Batch GP6800: C35733-3, C35733-5, C35733-6, C35733-7, C35733-8, C35733-9, C35733-10, C35733-11, C35733-12
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35733
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 | GN14464 | C35733-3 | umhos/cm | 346 | 344 | 0.6 | 0-10% |
| Specific Conductivity | GN14465 | C35733-8 | umhos/cm | 428 | 429 | 0.2 | 0-10% |

Associated Samples:
Batch GN14464: C35733-2, C35733-3, C35733-4, C35733-5, C35733-6
Batch GN14465: C35733-7, C35733-8, C35733-9, C35733-10, C35733-11, C35733-12
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35733
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 | GP6800/GN14463 | C35733-3 | ug/l | 420 | 625 | 1010 | 94.4 | 80-120% |
| Perchlorate | GP6800/GN14463 | C35733-8 | ug/l | 31.7 | 50 | 79.0 | 94.6 | 80-120% |

Associated Samples:
Batch GP6795: C35733-2, C35733-4
Batch GP6800: C35733-3, C35733-5, C35733-6, C35733-7, C35733-8, C35733-9, C35733-10, C35733-11, C35733-12
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35733
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 | GP6800/GN14463 | C35733-3 | ug/l | 420 | 625 | 1030 | 2.0 | 15% |
| Perchlorate | GP6800/GN14463 | C35733-8 | ug/l | 31.7 | 50 | 77.7 | 1.7 | 15% |

Associated Samples:
Batch GP6795: C35733-2, C35733-4
Batch GP6800: C35733-3, C35733-5, C35733-6, C35733-7, C35733-8, C35733-9, C35733-10, C35733-11, C35733-12
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
ACCUTEST
LABORATORIES

09/23/14

# Technical Report for

ERM-Irvine

BF Goodrich Superfund Sampling, Rialto

0179962.04.C

Accutest Job Number: C35734

Sampling Date: 08/26/14

Report to:

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Total number of pages in report: **74**

NELAP ACCREDITED TNI LABORATORY

James J. Rhudy
Lab Director

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

Client Service contact: Nutan Kabir 408-588-0200

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

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Accutest Laboratories

# Sample Summary

ERM-Irvine

**Job No:** C35734

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

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| C35734-1 | 08/26/14 | 00:00 | EV | 08/29/14 | AQ | Trip Blank Water | 26082014TB-1 |
| C35734-2 | 08/26/14 | 15:45 | EV | 08/29/14 | AQ | Field Blank Water | 26082014FB1 |
| C35734-3 | 08/26/14 | 11:05 | EV | 08/29/14 | AQ | Ground Water | EMW-01B-556-GW-26/08/2014 |
| C35734-4 | 08/26/14 | 11:35 | EV | 08/29/14 | AQ | Ground Water | EMW-01A-470-GW-26/08/2014 |
| C35734-5 | 08/26/14 | 12:30 | EV | 08/29/14 | AQ | Ground Water | EMW-04B-605-GW-26/08/2014 |
| C35734-6 | 08/26/14 | 13:05 | EV | 08/29/14 | AQ | Ground Water | EMW-04C-690-GW-26/08/2014 |
| C35734-7 | 08/26/14 | 15:05 | EV | 08/29/14 | AQ | Ground Water | EMW-03B-560-GW-26/08/2014 |
| C35734-8 | 08/26/14 | 00:00 | EV | 08/29/14 | AQ | Ground Water | 2602014D-1 |

# Summary of Hits

**Job Number:** C35734
**Account:** ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto
**Collected:** 08/26/14

| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| **C35734-1** | **26082014TB-1** | | | | | |
| No hits reported in this sample. | | | | | | |
| **C35734-2** | **26082014FB1** | | | | | |
| Acetone | | 5.5 J | 20 | 4.0 | ug/l | SW846 8260B |
| Specific Conductivity | | 1.7 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35734-3** | **EMW-01B-556-GW-26/08/2014** | | | | | |
| Acetone | | 12.2 J | 20 | 4.0 | ug/l | SW846 8260B |
| 1,2-Dichloroethane | | 1.6 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Ethylbenzene | | 3.6 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Isopropylbenzene | | 0.35 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| n-Propylbenzene | | 0.47 J | 2.0 | 0.20 | ug/l | SW846 8260B |
| Toluene | | 154 | 2.5 | 0.50 | ug/l | SW846 8260B |
| Xylene (total) | | 3.0 | 2.0 | 0.46 | ug/l | SW846 8260B |
| Perchlorate | | 3.6 | 3.0 | 0.31 | ug/l | EPA 314 |
| Specific Conductivity | | 264 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35734-4** | **EMW-01A-470-GW-26/08/2014** | | | | | |
| Acetone | | 16.2 J | 20 | 4.0 | ug/l | SW846 8260B |
| 1,2-Dichloroethane | | 1.6 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Toluene | | 10.6 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Trichloroethylene | | 2.6 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 12.6 | 3.0 | 0.31 | ug/l | EPA 314 |
| Specific Conductivity | | 329 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35734-5** | **EMW-04B-605-GW-26/08/2014** | | | | | |
| Acetone | | 36.6 | 20 | 4.0 | ug/l | SW846 8260B |
| 1,2-Dichloroethane | | 5.3 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Toluene | | 16.6 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Trichloroethylene | | 2.9 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 2.8 J | 3.0 | 0.31 | ug/l | EPA 314 |
| Specific Conductivity | | 594 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35734-6** | **EMW-04C-690-GW-26/08/2014** | | | | | |
| Acetone | | 20.2 | 20 | 4.0 | ug/l | SW846 8260B |
| 1,2-Dichloroethane | | 1.5 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Toluene | | 20.7 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Trichloroethylene | | 0.23 J | 1.0 | 0.20 | ug/l | SW846 8260B |

# Summary of Hits

**Job Number:** C35734
**Account:** ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto
**Collected:** 08/26/14

| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| Specific Conductivity | | 309 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35734-7** | **EMW-03B-560-GW-26/08/2014** | | | | | |
| Acetone | | 12.4 J | 20 | 4.0 | ug/l | SW846 8260B |
| 1,2-Dichloroethane | | 1.9 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Toluene | | 41.2 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Trichloroethylene | | 0.82 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 1.2 J | 3.0 | 0.31 | ug/l | EPA 314 |
| Specific Conductivity | | 621 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35734-8** | **2602014D-1** | | | | | |
| Acetone | | 17.6 J | 20 | 4.0 | ug/l | SW846 8260B |
| 1,2-Dichloroethane | | 1.5 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Toluene | | 10.2 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Trichloroethylene | | 2.5 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 12.7 | 3.0 | 0.31 | ug/l | EPA 314 |
| Specific Conductivity | | 328 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |

Northern California ACCUTEST LABORATORIES



## Sample Results

Report of Analysis

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 26082014TB-1 | | |
| **Lab Sample ID:** | C35734-1 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Trip Blank Water | **Date Received:** | 08/29/14 |
| **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 | W48072.D | 1 | 09/03/14 | BD | n/a | n/a | VW1728 |
| 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 | ND | 1.0 | 0.20 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 1.0 | 0.20 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1.0 | 0.20 | ug/l | |
| 541-73-1 | m-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 26082014TB-1 | | |
| **Lab Sample ID:** | C35734-1 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Trip Blank Water | **Date Received:** | 08/29/14 |
| **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 [a] | 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 | 108% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 107% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 26082014TB-1 | | |
| **Lab Sample ID:** | C35734-1 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Trip Blank Water | **Date Received:** | 08/29/14 |
| **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:** | 26082014FB1 | | |
| **Lab Sample ID:** | C35734-2 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Field Blank Water | **Date Received:** | 08/29/14 |
| **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 | W48073.D | 1 | 09/03/14 | BD | n/a | n/a | VW1728 |
| 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 [a] | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 26082014FB1 | | |
| **Lab Sample ID:** | C35734-2 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Field Blank Water | **Date Received:** | 08/29/14 |
| **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 [a] | 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 | 107% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 108% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 26082014FB1 | | |
| **Lab Sample ID:** | C35734-2 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Field Blank Water | **Date Received:** | 08/29/14 |
| **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:** | 26082014FB1 | | |
| **Lab Sample ID:** | C35734-2 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Field Blank Water | **Date Received:** | 08/29/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 0.31 U | 3.0 | 0.31 | ug/l | 1 | 09/12/14 05:10 | PH | EPA 314 |
| Specific Conductivity | 1.7 | 1.0 | 1.0 | umhos/cm | 1 | 09/11/14 12:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-01B-556-GW-26/08/2014 | | |
| **Lab Sample ID:** | C35734-3 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 | W48074.D | 1 | 09/03/14 | BD | n/a | n/a | VW1728 |
| Run #2 | W48093.D | 2.5 | 09/04/14 | BD | n/a | n/a | VW1729 |

| | Purge Volume |
|---|---|
| Run #1 | 10.0 ml |
| Run #2 | 10.0 ml |

**VOA 8260 List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 12.2 | 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 | 1.6 | 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 | ND | 1.0 | 0.20 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 1.0 | 0.20 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1.0 | 0.20 | ug/l | |
| 541-73-1 | m-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-01B-556-GW-26/08/2014 | | |
| **Lab Sample ID:** | C35734-3 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 | 3.6 | 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 | 0.35 | 1.0 | 0.20 | ug/l | J |
| 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 | 0.47 | 2.0 | 0.20 | ug/l | J |
| 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 [a] | 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 | 154 [b] | 2.5 | 0.50 | ug/l | |
| 79-01-6 | Trichloroethylene | ND | 1.0 | 0.20 | ug/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) | 3.0 | 2.0 | 0.46 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 108% | 122% | 70-130% |
| 2037-26-5 | Toluene-D8 | 105% | 100% | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-01B-556-GW-26/08/2014 | | |
| **Lab Sample ID:** | C35734-3 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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% | 102% | 70-130% |

(a) CCV outside of control limits (biased high); not detected in sample.
(b) Result is from Run# 2

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

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-01B-556-GW-26/08/2014 | | |
| **Lab Sample ID:** | C35734-3 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 3.6 | 3.0 | 0.31 | ug/l | 1 | 09/12/14 05:28 | PH | EPA 314 |
| Specific Conductivity | 264 | 1.0 | 1.0 | umhos/cm | 1 | 09/11/14 12:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-01A-470-GW-26/08/2014 | | |
| **Lab Sample ID:** | C35734-4 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 | W48101.D | 1 | 09/04/14 | BD | n/a | n/a | VW1729 |
| 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 | 16.2 | 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 | 1.6 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-01A-470-GW-26/08/2014 | | |
| **Lab Sample ID:** | C35734-4 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 [a] | 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 | 10.6 | 1.0 | 0.20 | ug/l | |
| 79-01-6 | Trichloroethylene | 2.6 | 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 | 107% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 105% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-01A-470-GW-26/08/2014 | | |
| **Lab Sample ID:** | C35734-4 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 | 99% | | 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:** | EMW-01A-470-GW-26/08/2014 | | |
| **Lab Sample ID:** | C35734-4 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 12.6 | 3.0 | 0.31 | ug/l | 1 | 09/12/14 05:45 | PH | EPA 314 |
| Specific Conductivity | 329 | 1.0 | 1.0 | umhos/cm | 1 | 09/11/14 12:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-04B-605-GW-26/08/2014 | | |
| **Lab Sample ID:** | C35734-5 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 | W48120.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| 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 | 36.6 | 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 | 5.3 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-04B-605-GW-26/08/2014 | | |
| **Lab Sample ID:** | C35734-5 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 [a] | 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 [a] | 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 | 16.6 | 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 | 107% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 108% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-04B-605-GW-26/08/2014 | | |
| **Lab Sample ID:** | C35734-5 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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:** | EMW-04B-605-GW-26/08/2014 | | |
| **Lab Sample ID:** | C35734-5 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 2.8 J | 3.0 | 0.31 | ug/l | 1 | 09/12/14 06:03 | PH | EPA 314 |
| Specific Conductivity | 594 | 1.0 | 1.0 | umhos/cm | 1 | 09/11/14 12:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-04C-690-GW-26/08/2014 | | |
| **Lab Sample ID:** | C35734-6 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 | W48121.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| 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 | 20.2 | 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 | 1.5 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-04C-690-GW-26/08/2014 | | |
| **Lab Sample ID:** | C35734-6 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 [a] | 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 [a] | 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 | 20.7 | 1.0 | 0.20 | ug/l | |
| 79-01-6 | Trichloroethylene | 0.23 | 1.0 | 0.20 | ug/l | J |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.20 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.20 | ug/l | |
| 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 | 108% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 108% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-04C-690-GW-26/08/2014 | | |
| **Lab Sample ID:** | C35734-6 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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:** | EMW-04C-690-GW-26/08/2014 | | |
| **Lab Sample ID:** | C35734-6 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 0.31 U | 3.0 | 0.31 | ug/l | 1 | 09/12/14 06:20 | PH | EPA 314 |
| Specific Conductivity | 309 | 1.0 | 1.0 | umhos/cm | 1 | 09/11/14 12:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-03B-560-GW-26/08/2014 | | |
| **Lab Sample ID:** | C35734-7 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 | W48122.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| 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 | 12.4 | 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 | 1.9 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-03B-560-GW-26/08/2014 | | |
| **Lab Sample ID:** | C35734-7 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 [a] | 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 [a] | 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 | 41.2 | 1.0 | 0.20 | ug/l | |
| 79-01-6 | Trichloroethylene | 0.82 | 1.0 | 0.20 | ug/l | J |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.20 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.20 | ug/l | |
| 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 | 109% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 106% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-03B-560-GW-26/08/2014 | | |
| **Lab Sample ID:** | C35734-7 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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:** | EMW-03B-560-GW-26/08/2014 | | |
| **Lab Sample ID:** | C35734-7 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 1.2 J | 3.0 | 0.31 | ug/l | 1 | 09/12/14 07:12 | PH | EPA 314 |
| Specific Conductivity | 621 | 1.0 | 1.0 | umhos/cm | 1 | 09/11/14 12:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 2602014D-1 | | |
| **Lab Sample ID:** | C35734-8 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 | W48123.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| 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 | 17.6 | 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 | 1.5 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 2602014D-1 | | |
| **Lab Sample ID:** | C35734-8 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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 [a] | 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 [a] | 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 | 10.2 | 1.0 | 0.20 | ug/l | |
| 79-01-6 | Trichloroethylene | 2.5 | 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 | 108% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 107% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 2602014D-1 | | |
| **Lab Sample ID:** | C35734-8 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| **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:** | 2602014D-1 | | |
| **Lab Sample ID:** | C35734-8 | **Date Sampled:** | 08/26/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 08/29/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 12.7 | 3.0 | 0.31 | ug/l | 1 | 09/12/14 07:30 | PH | EPA 314 |
| Specific Conductivity | 328 | 1.0 | 1.0 | umhos/cm | 1 | 09/11/14 12:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

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

ERMCAC5237

CONDUCT ANALYSIS TO DETECT

LAB - Accutest C35734 COC 1 of 1

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

CC:
Darren.Burgett@erm.com
Christopher.Berg@erm.com

| SAMPLE I.D. | DATE | TIME | MATRIX | CONTAINERS # | | VOC's 8260B | Perchlorate 314.0 | | | | | LAB # | ADD'L INFORMATION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26082014TB-1 | 8/26/2014 | 530 | GW | 3 | | X | | | | | | 1 | |
| 26082014FB-1 | 8/26/2014 | 1545 | GW | 4 | | X | X | | | | | 2 | |
| EMW-01B-556-GW-26/08/2014 | 8/26/2014 | 1105 | GW | 4 | | X | X | | | | | 3 | |
| EMW-01A-470-GW-28/08/2014 | 8/26/2014 | 1135 | GW | 4 | | X | X | | | | | 4 | |
| EMW-04B-605-GW-26/08/2014 | 8/26/2014 | 1230 | GW | 4 | | X | X | | | | | 5 | |
| EMW-04C-690-GW-26/08/2014 | 8/26/2014 | 1305 | GW | 4 | | X | X | | | | | 6 | |
| EMW-03B-560-GW-26/08/2014 | 8/26/2014 | 1505 | GW | 4 | | X | X | | | | | 7 | |
| 26082014D-1 | 8/26/2014 | | GW | 4 | | X | X | | | | | 8 | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

SAMPLING COMPLETED 8/26/14 1600 | DATE 8/26/14 | TIME 1600 | SAMPLING PERFORMED BY Emmanuel Vail | RESULTS NEEDED NO LATER THAN As Contracted

RELEASED BY [signature] | TIME 10:10 | RECEIVED BY [signature] | TIME 8-27-14 10:10

RELEASED BY Nicole | TIME | RECEIVED BY [signature] | TIME 8-27-14 1640

RELEASED BY [signature] 8-27-14 | TIME 1800 | RECEIVED BY | TIME

TEMP= 2.4-0.3 = 2.1°C
3.8-0.3 = 3.5°C

SHIPPED VIA FEDEX TRK# 8050 5131 1412 | TIME SENT | COOLER #

RELQ FEDEX 8/28/14 0909 / 8/29/14 0933 RECD [signature]

IRVINE

**C35734: Chain of Custody**
**Page 1 of 2**

# Accutest Laboratories Sample Receipt Summary

**Accutest Job Number:** C35734 **Client:** BLAINE TECH **Project:** BF GOODRICH RIALTO SUPERFUND SITE

**Date / Time Received:** 8/29/2014 **Delivery Method:** FedEx **Airbill #'s:** 805051311412

**Cooler Temps (Initial/Adjusted):** #1: (2.4/2.1); #2: (3.8/3.5);

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

| Cooler Temperature | Y | or | N |
|---|---|---|---|
| 1. Temp criteria achieved: | ☑ | | ☐ |
| 2. Cooler temp verification: | IR1; | | |
| 3. Cooler media: | Ice (Bag) | | |
| 4. No. Coolers: | 2 | | |

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

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

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

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

Comments

Accutest Laboratories
V:408.588.0200

2105 Lundy Avenue
F: 408.588.0201

San Jose, CA 95131
www/accutest.com

**C35734: 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:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1728-MB | W48059.D | 1 | 09/03/14 | BD | n/a | n/a | VW1728 |



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

C35734-1, C35734-2, C35734-3

| 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:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1728-MB | W48059.D | 1 | 09/03/14 | BD | n/a | n/a | VW1728 |



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

C35734-1, C35734-2, C35734-3

| 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 | 97% | 70-130% |

# Method Blank Summary



**Job Number:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1728-MB | W48059.D | 1 | 09/03/14 | BD | n/a | n/a | VW1728 |

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

C35734-1, C35734-2, C35734-3

| 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:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1729-MB | W48086.D | 1 | 09/04/14 | BD | n/a | n/a | VW1729 |



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

C35734-3, C35734-4

| 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:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1729-MB | W48086.D | 1 | 09/04/14 | BD | n/a | n/a | VW1729 |



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

C35734-3, C35734-4

| 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 | 102% | 70-130% |

# Method Blank Summary



**Job Number:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1729-MB | W48086.D | 1 | 09/04/14 | BD | n/a | n/a | VW1729 |

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

C35734-3, C35734-4

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 105% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | 70-130% |

# Method Blank Summary



**Job Number:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1730-MB | W48112.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |



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

C35734-5, C35734-6, C35734-7, C35734-8

| 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:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1730-MB | W48112.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |



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

C35734-5, C35734-6, C35734-7, C35734-8

| 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 | 102% | 70-130% |

# Method Blank Summary



**Job Number:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1730-MB | W48112.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |

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

C35734-5, C35734-6, C35734-7, C35734-8

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 105% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | 70-130% |

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1728-BS | W48056.D | 1 | 09/03/14 | BD | n/a | n/a | VW1728 |
| VW1728-BSD | W48057.D | 1 | 09/03/14 | BD | n/a | n/a | VW1728 |



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

C35734-1, C35734-2, C35734-3

| 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 | 87.3 | 109 | 8 | 38-159/24 |
| 71-43-2 | Benzene | 20 | 19.6 | 98 | 18.4 | 92 | 6 | 77-122/25 |
| 108-86-1 | Bromobenzene | 20 | 20.3 | 102 | 19.3 | 97 | 5 | 76-126/17 |
| 74-97-5 | Bromochloromethane | 20 | 20.2 | 101 | 19.4 | 97 | 4 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | 20 | 20.5 | 103 | 19.4 | 97 | 6 | 75-127/16 |
| 75-25-2 | Bromoform | 20 | 17.9 | 90 | 17.5 | 88 | 2 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | 20 | 20.8 | 104 | 19.1 | 96 | 9 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | 20 | 20.3 | 102 | 18.8 | 94 | 8 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | 20 | 19.8 | 99 | 18.3 | 92 | 8 | 73-127/18 |
| 108-90-7 | Chlorobenzene | 20 | 19.6 | 98 | 18.5 | 93 | 6 | 77-122/16 |
| 75-00-3 | Chloroethane | 20 | 20.7 | 104 | 19.2 | 96 | 8 | 69-133/18 |
| 67-66-3 | Chloroform | 20 | 21.0 | 105 | 20.0 | 100 | 5 | 74-126/17 |
| 95-49-8 | o-Chlorotoluene | 20 | 20.5 | 103 | 19.2 | 96 | 7 | 72-127/20 |
| 106-43-4 | p-Chlorotoluene | 20 | 21.0 | 105 | 19.7 | 99 | 6 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | 20 | 21.3 | 107 | 19.2 | 96 | 10 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | 20 | 21.1 | 106 | 20.1 | 101 | 5 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | 20 | 20.1 | 101 | 18.3 | 92 | 9 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | 20 | 20.2 | 101 | 18.4 | 92 | 9 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 20 | 20.3 | 102 | 19.3 | 97 | 5 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | 20 | 19.3 | 97 | 18.4 | 92 | 5 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | 20 | 19.6 | 98 | 18.4 | 92 | 6 | 71-131/17 |
| 78-87-5 | 1,2-Dichloropropane | 20 | 20.1 | 101 | 18.9 | 95 | 6 | 78-124/16 |
| 142-28-9 | 1,3-Dichloropropane | 20 | 19.6 | 98 | 18.6 | 93 | 5 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | 20 | 20.3 | 102 | 19.4 | 97 | 5 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | 20 | 21.9 | 110 | 20.5 | 103 | 7 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | 20 | 18.5 | 93 | 17.5 | 88 | 6 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | 20 | 15.2 | 76 | 14.0 | 70 | 8 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | 20 | 20.4 | 102 | 19.4 | 97 | 5 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | 20 | 20.4 | 102 | 19.3 | 97 | 6 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | 20 | 20.3 | 102 | 19.3 | 97 | 5 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | 20 | 20.0 | 100 | 19.0 | 95 | 5 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | 20 | 20.1 | 101 | 18.9 | 95 | 6 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | 20 | 20.3 | 102 | 19.1 | 96 | 6 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | 20 | 20.3 | 102 | 19.3 | 97 | 5 | 71-126/16 |
| 100-41-4 | Ethylbenzene | 20 | 19.7 | 99 | 18.4 | 92 | 7 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | 20 | 20.2 | 101 | 19.5 | 98 | 4 | 75-134/17 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary

**Job Number:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1728-BS | W48056.D | 1 | 09/03/14 | BD | n/a | n/a | VW1728 |
| VW1728-BSD | W48057.D | 1 | 09/03/14 | BD | n/a | n/a | VW1728 |



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

C35734-1, C35734-2, C35734-3

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | 80 | 76.5 | 96 | 72.9 | 91 | 5 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | 20 | 19.8 | 99 | 18.4 | 92 | 7 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | 20 | 19.5 | 98 | 18.1 | 91 | 7 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | 20 | 20.2 | 101 | 18.7 | 94 | 8 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | 80 | 74.4 | 93 | 70.7 | 88 | 5 | 71-142/21 |
| 74-83-9 | Methyl bromide | 20 | 20.9 | 105 | 19.5 | 98 | 7 | 68-132/18 |
| 74-87-3 | Methyl chloride | 20 | 19.1 | 96 | 17.6 | 88 | 8 | 39-150/28 |
| 74-95-3 | Methylene bromide | 20 | 20.1 | 101 | 19.2 | 96 | 5 | 77-127/16 |
| 75-09-2 | Methylene chloride | 20 | 19.2 | 96 | 18.3 | 92 | 5 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | 80 | 85.7 | 107 | 81.8 | 102 | 5 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | 20 | 19.8 | 99 | 19.0 | 95 | 4 | 73-132/17 |
| 91-20-3 | Naphthalene | 20 | 19.0 | 95 | 18.2 | 91 | 4 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | 20 | 20.8 | 104 | 19.2 | 96 | 8 | 71-127/17 |
| 100-42-5 | Styrene | 20 | 18.8 | 94 | 17.9 | 90 | 5 | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | 20 | 19.7 | 99 | 18.9 | 95 | 4 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | 100 | 150 | 150* [a] | 140 | 140 | 7 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 20 | 20.1 | 101 | 19.1 | 96 | 5 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | 20 | 21.3 | 107 | 19.7 | 99 | 8 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20 | 20.0 | 100 | 18.9 | 95 | 6 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | 20 | 19.3 | 97 | 18.3 | 92 | 5 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 20 | 18.5 | 93 | 17.8 | 89 | 4 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | 20 | 17.8 | 89 | 17.0 | 85 | 5 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20 | 18.9 | 95 | 18.0 | 90 | 5 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 20 | 20.3 | 102 | 18.9 | 95 | 7 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 20 | 20.3 | 102 | 19.0 | 95 | 7 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | 20 | 19.7 | 99 | 18.1 | 91 | 8 | 69-127/20 |
| 108-88-3 | Toluene | 20 | 19.7 | 99 | 18.5 | 93 | 6 | 75-122/17 |
| 79-01-6 | Trichloroethylene | 20 | 20.3 | 102 | 18.9 | 95 | 7 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | 20 | 19.6 | 98 | 19.1 | 96 | 3 | 65-136/23 |
| 75-01-4 | Vinyl chloride | 20 | 18.4 | 92 | 17.2 | 86 | 7 | 57-146/22 |
| 1330-20-7 | Xylene (total) | 60 | 57.8 | 96 | 54.3 | 91 | 6 | 77-125/17 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 104% | 107% | 70-130% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1728-BS | W48056.D | 1 | 09/03/14 | BD | n/a | n/a | VW1728 |
| VW1728-BSD | W48057.D | 1 | 09/03/14 | BD | n/a | n/a | VW1728 |



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

C35734-1, C35734-2, C35734-3

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 99% | 102% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 97% | 101% | 70-130% |

(a) Outside laboratory control limits (high bias); not detected in associated samples. AZ:L1

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1729-BS | W48083.D | 1 | 09/04/14 | BD | n/a | n/a | VW1729 |
| VW1729-BSD | W48084.D | 1 | 09/04/14 | BD | n/a | n/a | VW1729 |



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

C35734-3, C35734-4

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 80 | 91.7 | 115 | 92.1 | 115 | 0 | 38-159/24 |
| 71-43-2 | Benzene | 20 | 18.4 | 92 | 18.4 | 92 | 0 | 77-122/25 |
| 108-86-1 | Bromobenzene | 20 | 18.8 | 94 | 19.2 | 96 | 2 | 76-126/17 |
| 74-97-5 | Bromochloromethane | 20 | 20.4 | 102 | 20.6 | 103 | 1 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | 20 | 19.6 | 98 | 19.7 | 99 | 1 | 75-127/16 |
| 75-25-2 | Bromoform | 20 | 17.0 | 85 | 17.1 | 86 | 1 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | 20 | 19.2 | 96 | 19.0 | 95 | 1 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | 20 | 18.8 | 94 | 18.5 | 93 | 2 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | 20 | 18.2 | 91 | 18.1 | 91 | 1 | 73-127/18 |
| 108-90-7 | Chlorobenzene | 20 | 18.1 | 91 | 18.2 | 91 | 1 | 77-122/16 |
| 75-00-3 | Chloroethane | 20 | 22.1 | 111 | 21.9 | 110 | 1 | 69-133/18 |
| 67-66-3 | Chloroform | 20 | 21.2 | 106 | 21.0 | 105 | 1 | 74-126/17 |
| 95-49-8 | o-Chlorotoluene | 20 | 19.0 | 95 | 19.0 | 95 | 0 | 72-127/20 |
| 106-43-4 | p-Chlorotoluene | 20 | 19.4 | 97 | 19.4 | 97 | 0 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | 20 | 19.6 | 98 | 19.3 | 97 | 2 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | 20 | 21.1 | 106 | 20.9 | 105 | 1 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | 20 | 19.1 | 96 | 19.1 | 96 | 0 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | 20 | 18.6 | 93 | 18.2 | 91 | 2 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 20 | 19.7 | 99 | 19.4 | 97 | 2 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | 20 | 18.2 | 91 | 18.4 | 92 | 1 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | 20 | 18.6 | 93 | 18.7 | 94 | 1 | 71-131/17 |
| 78-87-5 | 1,2-Dichloropropane | 20 | 18.9 | 95 | 19.0 | 95 | 1 | 78-124/16 |
| 142-28-9 | 1,3-Dichloropropane | 20 | 18.1 | 91 | 18.4 | 92 | 2 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | 20 | 20.6 | 103 | 20.5 | 103 | 0 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | 20 | 22.1 | 111 | 21.3 | 107 | 4 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | 20 | 17.2 | 86 | 17.4 | 87 | 1 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | 20 | 20.7 | 104 | 19.5 | 98 | 6 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | 20 | 20.6 | 103 | 20.3 | 102 | 1 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | 20 | 19.3 | 97 | 19.4 | 97 | 1 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | 20 | 18.9 | 95 | 19.1 | 96 | 1 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | 20 | 18.8 | 94 | 18.9 | 95 | 1 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | 20 | 18.7 | 94 | 18.8 | 94 | 1 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | 20 | 19.8 | 99 | 19.9 | 100 | 1 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | 20 | 18.8 | 94 | 19.2 | 96 | 2 | 71-126/16 |
| 100-41-4 | Ethylbenzene | 20 | 18.0 | 90 | 18.0 | 90 | 0 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | 20 | 20.7 | 104 | 20.5 | 103 | 1 | 75-134/17 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1729-BS | W48083.D | 1 | 09/04/14 | BD | n/a | n/a | VW1729 |
| VW1729-BSD | W48084.D | 1 | 09/04/14 | BD | n/a | n/a | VW1729 |



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

C35734-3, C35734-4

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | 80 | 72.0 | 90 | 70.3 | 88 | 2 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | 20 | 18.6 | 93 | 18.5 | 93 | 1 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | 20 | 17.9 | 90 | 17.9 | 90 | 0 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | 20 | 18.6 | 93 | 18.5 | 93 | 1 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | 80 | 73.4 | 92 | 71.8 | 90 | 2 | 71-142/21 |
| 74-83-9 | Methyl bromide | 20 | 23.0 | 115 | 23.0 | 115 | 0 | 68-132/18 |
| 74-87-3 | Methyl chloride | 20 | 22.6 | 113 | 21.4 | 107 | 5 | 39-150/28 |
| 74-95-3 | Methylene bromide | 20 | 19.3 | 97 | 19.3 | 97 | 0 | 77-127/16 |
| 75-09-2 | Methylene chloride | 20 | 19.4 | 97 | 19.2 | 96 | 1 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | 80 | 87.8 | 110 | 86.1 | 108 | 2 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | 20 | 20.2 | 101 | 20.2 | 101 | 0 | 73-132/17 |
| 91-20-3 | Naphthalene | 20 | 18.2 | 91 | 18.0 | 90 | 1 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | 20 | 18.9 | 95 | 18.9 | 95 | 0 | 71-127/17 |
| 100-42-5 | Styrene | 20 | 17.4 | 87 | 17.6 | 88 | 1 | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | 20 | 20.2 | 101 | 20.1 | 101 | 0 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | 100 | 154 | 154* [a] | 144 | 144 | 7 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 20 | 18.8 | 94 | 18.7 | 94 | 1 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | 20 | 20.9 | 105 | 20.7 | 104 | 1 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20 | 18.8 | 94 | 18.9 | 95 | 1 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | 20 | 17.9 | 90 | 18.2 | 91 | 2 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 20 | 17.7 | 89 | 17.5 | 88 | 1 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | 20 | 16.7 | 84 | 17.0 | 85 | 2 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20 | 17.9 | 90 | 17.7 | 89 | 1 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 20 | 18.6 | 93 | 18.6 | 93 | 0 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 20 | 18.8 | 94 | 18.8 | 94 | 0 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | 20 | 17.8 | 89 | 17.6 | 88 | 1 | 69-127/20 |
| 108-88-3 | Toluene | 20 | 18.0 | 90 | 18.0 | 90 | 0 | 75-122/17 |
| 79-01-6 | Trichloroethylene | 20 | 19.1 | 96 | 19.2 | 96 | 1 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | 20 | 21.0 | 105 | 20.4 | 102 | 3 | 65-136/23 |
| 75-01-4 | Vinyl chloride | 20 | 20.4 | 102 | 20.1 | 101 | 1 | 57-146/22 |
| 1330-20-7 | Xylene (total) | 60 | 53.1 | 89 | 53.2 | 89 | 0 | 77-125/17 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 118% | 118% | 70-130% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1729-BS | W48083.D | 1 | 09/04/14 | BD | n/a | n/a | VW1729 |
| VW1729-BSD | W48084.D | 1 | 09/04/14 | BD | n/a | n/a | VW1729 |



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

C35734-3, C35734-4

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

(a) Outside laboratory control limits (high bias); not detected in associated samples.

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1730-BS | W48109.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| VW1730-BSD | W48110.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |



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

C35734-5, C35734-6, C35734-7, C35734-8

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 80 | 109 | 136 | 108 | 135 | 1 | 38-159/24 |
| 71-43-2 | Benzene | 20 | 19.0 | 95 | 18.7 | 94 | 2 | 77-122/25 |
| 108-86-1 | Bromobenzene | 20 | 18.7 | 94 | 18.9 | 95 | 1 | 76-126/17 |
| 74-97-5 | Bromochloromethane | 20 | 22.3 | 112 | 22.5 | 113 | 1 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | 20 | 20.0 | 100 | 20.2 | 101 | 1 | 75-127/16 |
| 75-25-2 | Bromoform | 20 | 17.2 | 86 | 17.3 | 87 | 1 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | 20 | 19.4 | 97 | 19.0 | 95 | 2 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | 20 | 18.7 | 94 | 18.4 | 92 | 2 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | 20 | 18.1 | 91 | 18.1 | 91 | 0 | 73-127/18 |
| 108-90-7 | Chlorobenzene | 20 | 18.1 | 91 | 18.0 | 90 | 1 | 77-122/16 |
| 75-00-3 | Chloroethane | 20 | 25.1 | 126 | 24.5 | 123 | 2 | 69-133/18 |
| 67-66-3 | Chloroform | 20 | 23.6 | 118 | 23.1 | 116 | 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 | 19.3 | 97 | 19.1 | 96 | 1 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | 20 | 20.2 | 101 | 19.7 | 99 | 3 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | 20 | 23.8 | 119 | 23.2 | 116 | 3 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | 20 | 22.0 | 110 | 21.7 | 109 | 1 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | 20 | 19.2 | 96 | 18.8 | 94 | 2 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 20 | 19.7 | 99 | 19.7 | 99 | 0 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | 20 | 17.9 | 90 | 18.3 | 92 | 2 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | 20 | 19.3 | 97 | 19.3 | 97 | 0 | 71-131/17 |
| 78-87-5 | 1,2-Dichloropropane | 20 | 19.5 | 98 | 19.3 | 97 | 1 | 78-124/16 |
| 142-28-9 | 1,3-Dichloropropane | 20 | 18.2 | 91 | 18.5 | 93 | 2 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | 20 | 23.2 | 116 | 22.9 | 115 | 1 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | 20 | 24.6 | 123 | 23.7 | 119 | 4 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | 20 | 17.2 | 86 | 17.4 | 87 | 1 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | 20 | 22.8 | 114 | 21.6 | 108 | 5 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | 20 | 22.6 | 113 | 22.3 | 112 | 1 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | 20 | 19.7 | 99 | 19.8 | 99 | 1 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | 20 | 19.1 | 96 | 19.0 | 95 | 1 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | 20 | 18.6 | 93 | 18.9 | 95 | 2 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | 20 | 18.6 | 93 | 18.8 | 94 | 1 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | 20 | 22.5 | 113 | 22.1 | 111 | 2 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | 20 | 19.1 | 96 | 19.3 | 97 | 1 | 71-126/16 |
| 100-41-4 | Ethylbenzene | 20 | 18.3 | 92 | 18.0 | 90 | 2 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | 20 | 23.0 | 115 | 23.0 | 115 | 0 | 75-134/17 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1730-BS | W48109.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| VW1730-BSD | W48110.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |



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

C35734-5, C35734-6, C35734-7, C35734-8

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | 80 | 77.4 | 97 | 77.0 | 96 | 1 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | 20 | 18.8 | 94 | 18.5 | 93 | 2 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | 20 | 18.1 | 91 | 17.9 | 90 | 1 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | 20 | 18.5 | 93 | 18.4 | 92 | 1 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | 80 | 78.3 | 98 | 77.8 | 97 | 1 | 71-142/21 |
| 74-83-9 | Methyl bromide | 20 | 25.9 | 130 | 25.7 | 129 | 1 | 68-132/18 |
| 74-87-3 | Methyl chloride | 20 | 26.2 | 131 | 25.2 | 126 | 4 | 39-150/28 |
| 74-95-3 | Methylene bromide | 20 | 19.6 | 98 | 19.8 | 99 | 1 | 77-127/16 |
| 75-09-2 | Methylene chloride | 20 | 21.5 | 108 | 21.3 | 107 | 1 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | 80 | 99.8 | 125 | 100 | 125 | 0 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | 20 | 22.4 | 112 | 22.7 | 114 | 1 | 73-132/17 |
| 91-20-3 | Naphthalene | 20 | 18.2 | 91 | 18.4 | 92 | 1 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | 20 | 18.9 | 95 | 18.7 | 94 | 1 | 71-127/17 |
| 100-42-5 | Styrene | 20 | 17.6 | 88 | 17.5 | 88 | 1 | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | 20 | 22.2 | 111 | 22.3 | 112 | 0 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | 100 | 174 | 174* | 176 | 176* | 1 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 20 | 18.8 | 94 | 18.9 | 95 | 1 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | 20 | 23.4 | 117 | 22.6 | 113 | 3 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20 | 18.8 | 94 | 19.5 | 98 | 4 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | 20 | 18.0 | 90 | 18.3 | 92 | 2 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 20 | 17.7 | 89 | 18.0 | 90 | 2 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | 20 | 17.1 | 86 | 17.5 | 88 | 2 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20 | 18.0 | 90 | 18.0 | 90 | 0 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 20 | 18.8 | 94 | 18.6 | 93 | 1 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 20 | 18.7 | 94 | 18.6 | 93 | 1 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | 20 | 17.8 | 89 | 17.6 | 88 | 1 | 69-127/20 |
| 108-88-3 | Toluene | 20 | 18.1 | 91 | 17.9 | 90 | 1 | 75-122/17 |
| 79-01-6 | Trichloroethylene | 20 | 19.6 | 98 | 19.2 | 96 | 2 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | 20 | 23.1 | 116 | 22.4 | 112 | 3 | 65-136/23 |
| 75-01-4 | Vinyl chloride | 20 | 23.0 | 115 | 22.3 | 112 | 3 | 57-146/22 |
| 1330-20-7 | Xylene (total) | 60 | 53.9 | 90 | 53.3 | 89 | 1 | 77-125/17 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 130% | 128% | 70-130% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1730-BS | W48109.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| VW1730-BSD | W48110.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |

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

C35734-5, C35734-6, C35734-7, C35734-8

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 100% | 100% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 103% | 103% | 70-130% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35761-1MS | W48075.D | 1 | 09/03/14 | BD | n/a | n/a | VW1728 |
| C35761-1MSD | W48076.D | 1 | 09/03/14 | BD | n/a | n/a | VW1728 |
| C35761-1 | W48060.D | 1 | 09/03/14 | BD | n/a | n/a | VW1728 |



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

C35734-1, C35734-2, C35734-3

| CAS No. | Compound | C35761-1 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 80 | 96.5 | 121 | 80 | 91.6 | 115 | 5 | 38-159/24 |
| 71-43-2 | Benzene | ND | | 20 | 18.9 | 95 | 20 | 18.7 | 94 | 1 | 77-122/16 |
| 108-86-1 | Bromobenzene | ND | | 20 | 18.8 | 94 | 20 | 19.0 | 95 | 1 | 76-126/17 |
| 74-97-5 | Bromochloromethane | ND | | 20 | 20.9 | 105 | 20 | 21.2 | 106 | 1 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | ND | | 20 | 20.7 | 104 | 20 | 20.4 | 102 | 1 | 75-127/16 |
| 75-25-2 | Bromoform | ND | | 20 | 17.7 | 89 | 20 | 17.1 | 86 | 3 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | ND | | 20 | 17.3 | 87 | 20 | 17.2 | 86 | 1 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | ND | | 20 | 16.7 | 84 | 20 | 16.7 | 84 | 0 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | ND | | 20 | 16.9 | 85 | 20 | 17.0 | 85 | 1 | 73-127/18 |
| 108-90-7 | Chlorobenzene | ND | | 20 | 18.4 | 92 | 20 | 18.4 | 92 | 0 | 77-122/16 |
| 75-00-3 | Chloroethane | ND | | 20 | 22.7 | 114 | 20 | 22.6 | 113 | 0 | 69-133/18 |
| 67-66-3 | Chloroform | ND | | 20 | 22.7 | 114 | 20 | 22.5 | 113 | 1 | 74-126/17 |
| 95-49-8 | o-Chlorotoluene | ND | | 20 | 19.1 | 96 | 20 | 19.1 | 96 | 0 | 72-127/20 |
| 106-43-4 | p-Chlorotoluene | ND | | 20 | 18.5 | 93 | 20 | 20.0 | 100 | 8 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | ND | | 20 | 17.5 | 88 | 20 | 17.4 | 87 | 1 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 20 | 22.7 | 114 | 20 | 22.5 | 113 | 1 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | ND | | 20 | 17.4 | 87 | 20 | 17.5 | 88 | 1 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | ND | | 20 | 17.3 | 87 | 20 | 17.1 | 86 | 1 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | 20 | 20.5 | 103 | 20 | 19.4 | 97 | 6 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | ND | | 20 | 18.5 | 93 | 20 | 18.5 | 93 | 0 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 20 | 20.6 | 103 | 20 | 20.0 | 100 | 3 | 71-131/17 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 20 | 20.1 | 101 | 20 | 19.8 | 99 | 2 | 78-124/16 |
| 142-28-9 | 1,3-Dichloropropane | ND | | 20 | 19.4 | 97 | 20 | 19.1 | 96 | 2 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | ND | | 20 | 23.2 | 116 | 20 | 22.8 | 114 | 2 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | ND | | 20 | 20.3 | 102 | 20 | 20.0 | 100 | 1 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | ND | | 20 | 17.7 | 89 | 20 | 17.6 | 88 | 1 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 20 | 15.3 | 77 | 20 | 14.6 | 73 | 5 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | 20 | 21.2 | 106 | 20 | 21.2 | 106 | 0 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 20 | 19.8 | 99 | 20 | 19.7 | 99 | 1 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | ND | | 20 | 18.9 | 95 | 20 | 19.0 | 95 | 1 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | ND | | 20 | 18.8 | 94 | 20 | 19.0 | 95 | 1 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | ND | | 20 | 18.7 | 94 | 20 | 18.8 | 94 | 1 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | 20 | 19.8 | 99 | 20 | 20.0 | 100 | 1 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 20 | 19.8 | 99 | 20 | 19.4 | 97 | 2 | 71-126/16 |
| 100-41-4 | Ethylbenzene | ND | | 20 | 18.3 | 92 | 20 | 17.9 | 90 | 2 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | ND | | 20 | 22.9 | 115 | 20 | 22.5 | 113 | 2 | 75-134/17 |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35761-1MS | W48075.D | 1 | 09/03/14 | BD | n/a | n/a | VW1728 |
| C35761-1MSD | W48076.D | 1 | 09/03/14 | BD | n/a | n/a | VW1728 |
| C35761-1 | W48060.D | 1 | 09/03/14 | BD | n/a | n/a | VW1728 |



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

C35734-1, C35734-2, C35734-3

| CAS No. | Compound | C35761-1 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | | 80 | 80.1 | 100 | 80 | 73.9 | 92 | 8 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | ND | | 20 | 15.1 | 76 | 20 | 15.4 | 77 | 2 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | ND | | 20 | 17.4 | 87 | 20 | 17.1 | 86 | 2 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | ND | | 20 | 17.0 | 85 | 20 | 17.1 | 86 | 1 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | 80 | 80.1 | 100 | 80 | 75.7 | 95 | 6 | 71-142/21 |
| 74-83-9 | Methyl bromide | ND | | 20 | 22.0 | 110 | 20 | 22.3 | 112 | 1 | 68-132/18 |
| 74-87-3 | Methyl chloride | 0.33 | | 20 | 21.7 | 107 | 20 | 21.2 | 104 | 2 | 39-150/28 |
| 74-95-3 | Methylene bromide | ND | | 20 | 20.4 | 102 | 20 | 20.1 | 101 | 1 | 77-127/16 |
| 75-09-2 | Methylene chloride | ND | | 20 | 19.9 | 100 | 20 | 20.0 | 100 | 1 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | ND | | 80 | 89.9 | 112 | 80 | 86.2 | 108 | 4 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | | 20 | 22.0 | 110 | 20 | 21.6 | 108 | 2 | 73-132/17 |
| 91-20-3 | Naphthalene | ND | | 20 | 18.1 | 91 | 20 | 18.1 | 91 | 0 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | ND | | 20 | 17.9 | 90 | 20 | 18.0 | 90 | 1 | 71-127/17 |
| 100-42-5 | Styrene | ND | | 20 | 17.9 | 90 | 20 | 17.8 | 89 | 1 | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | | 20 | 21.9 | 110 | 20 | 21.3 | 107 | 3 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | ND | | 100 | 120 | 120 | 100 | 120 | 120 | 0 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | 20 | 19.6 | 98 | 20 | 19.1 | 96 | 3 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 20 | 20.6 | 103 | 20 | 20.4 | 102 | 1 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 20 | 19.9 | 100 | 20 | 19.5 | 98 | 2 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 20 | 19.2 | 96 | 20 | 18.8 | 94 | 2 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | 20 | 16.8 | 84 | 20 | 17.0 | 85 | 1 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | 20 | 17.3 | 87 | 20 | 16.8 | 84 | 3 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 20 | 17.0 | 85 | 20 | 17.0 | 85 | 0 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | 20 | 18.4 | 92 | 20 | 18.6 | 93 | 1 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | 20 | 18.2 | 91 | 20 | 18.3 | 92 | 1 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | ND | | 20 | 16.0 | 80 | 20 | 16.0 | 80 | 0 | 69-127/20 |
| 108-88-3 | Toluene | ND | | 20 | 18.4 | 92 | 20 | 18.2 | 91 | 1 | 75-122/17 |
| 79-01-6 | Trichloroethylene | ND | | 20 | 18.6 | 93 | 20 | 18.5 | 93 | 1 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | ND | | 20 | 21.5 | 108 | 20 | 21.1 | 106 | 2 | 65-136/23 |
| 75-01-4 | Vinyl chloride | ND | | 20 | 19.6 | 98 | 20 | 19.9 | 100 | 2 | 57-146/22 |
| 1330-20-7 | Xylene (total) | ND | | 60 | 53.4 | 89 | 60 | 53.2 | 89 | 0 | 77-125/17 |

| CAS No. | Surrogate Recoveries | MS | MSD | C35761-1 | Limits |
|---|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 122% [a] | 121% [a] | 103% | 70-130% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35761-1MS | W48075.D | 1 | 09/03/14 | BD | n/a | n/a | VW1728 |
| C35761-1MSD | W48076.D | 1 | 09/03/14 | BD | n/a | n/a | VW1728 |
| C35761-1 | W48060.D | 1 | 09/03/14 | BD | n/a | n/a | VW1728 |

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

C35734-1, C35734-2, C35734-3

| CAS No. | Surrogate Recoveries | MS | MSD | C35761-1 | Limits |
|---|---|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 103% | 102% | 106% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 104% | 102% | 100% | 70-130% |

(a) Outside DOD-QSM4 control limits; within laboratory control limits.

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35781-1MS | W48104.D | 1 | 09/04/14 | BD | n/a | n/a | VW1729 |
| C35781-1MSD | W48105.D | 1 | 09/04/14 | BD | n/a | n/a | VW1729 |
| C35781-1 | W48087.D | 1 | 09/04/14 | BD | n/a | n/a | VW1729 |



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

C35734-3, C35734-4

| CAS No. | Compound | C35781-1 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 80 | 87.2 | 109 | 80 | 93.6 | 117 | 7 | 38-159/24 |
| 71-43-2 | Benzene | ND | | 20 | 17.7 | 89 | 20 | 17.4 | 87 | 2 | 77-122/16 |
| 108-86-1 | Bromobenzene | ND | | 20 | 17.6 | 88 | 20 | 17.7 | 89 | 1 | 76-126/17 |
| 74-97-5 | Bromochloromethane | ND | | 20 | 19.6 | 98 | 20 | 20.1 | 101 | 3 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | ND | | 20 | 19.3 | 97 | 20 | 19.4 | 97 | 1 | 75-127/16 |
| 75-25-2 | Bromoform | ND | | 20 | 16.1 | 81 | 20 | 16.4 | 82 | 2 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | ND | | 20 | 14.8 | 74 | 20 | 14.5 | 73 | 2 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | ND | | 20 | 14.3 | 72* [a] | 20 | 14.1 | 71* [a] | 1 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | ND | | 20 | 14.8 | 74 | 20 | 14.6 | 73 | 1 | 73-127/18 |
| 108-90-7 | Chlorobenzene | ND | | 20 | 17.2 | 86 | 20 | 17.2 | 86 | 0 | 77-122/16 |
| 75-00-3 | Chloroethane | ND | | 20 | 23.1 | 116 | 20 | 22.9 | 115 | 1 | 69-133/18 |
| 67-66-3 | Chloroform | 0.36 | J | 20 | 21.8 | 107 | 20 | 21.8 | 107 | 0 | 74-126/17 |
| 95-49-8 | o-Chlorotoluene | ND | | 20 | 17.7 | 89 | 20 | 17.2 | 86 | 3 | 72-127/20 |
| 106-43-4 | p-Chlorotoluene | ND | | 20 | 18.1 | 91 | 20 | 17.9 | 90 | 1 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | ND | | 20 | 16.3 | 82 | 20 | 15.9 | 80 | 2 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 20 | 21.5 | 108 | 20 | 21.3 | 107 | 1 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | ND | | 20 | 16.0 | 80 | 20 | 16.2 | 81 | 1 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | ND | | 20 | 15.9 | 80 | 20 | 15.5 | 78 | 3 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | 20 | 18.8 | 94 | 20 | 18.8 | 94 | 0 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | ND | | 20 | 17.2 | 86 | 20 | 17.8 | 89 | 3 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 20 | 19.2 | 96 | 20 | 19.1 | 96 | 1 | 71-131/17 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 20 | 19.0 | 95 | 20 | 18.7 | 94 | 2 | 78-124/16 |
| 142-28-9 | 1,3-Dichloropropane | ND | | 20 | 18.0 | 90 | 20 | 18.3 | 92 | 2 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | ND | | 20 | 21.8 | 109 | 20 | 21.8 | 109 | 0 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | ND | | 20 | 18.4 | 92 | 20 | 17.9 | 90 | 3 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | ND | | 20 | 16.3 | 82 | 20 | 16.7 | 84 | 2 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 20 | 19.6 | 98 | 20 | 18.3 | 92 | 7 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | 20 | 20.1 | 101 | 20 | 20.0 | 100 | 0 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 20 | 18.5 | 93 | 20 | 18.5 | 93 | 0 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | ND | | 20 | 17.3 | 87 | 20 | 17.2 | 86 | 1 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | ND | | 20 | 17.3 | 87 | 20 | 17.5 | 88 | 1 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | ND | | 20 | 17.1 | 86 | 20 | 17.2 | 86 | 1 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | 20 | 18.7 | 94 | 20 | 18.5 | 93 | 1 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 20 | 18.4 | 92 | 20 | 18.7 | 94 | 2 | 71-126/16 |
| 100-41-4 | Ethylbenzene | ND | | 20 | 16.8 | 84 | 20 | 16.5 | 83 | 2 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | ND | | 20 | 21.3 | 107 | 20 | 21.5 | 108 | 1 | 75-134/17 |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary

**Job Number:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35781-1MS | W48104.D | 1 | 09/04/14 | BD | n/a | n/a | VW1729 |
| C35781-1MSD | W48105.D | 1 | 09/04/14 | BD | n/a | n/a | VW1729 |
| C35781-1 | W48087.D | 1 | 09/04/14 | BD | n/a | n/a | VW1729 |

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

C35734-3, C35734-4

| CAS No. | Compound | C35781-1 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | | 80 | 70.9 | 89 | 80 | 73.1 | 91 | 3 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | ND | | 20 | 12.5 | 63* [a] | 20 | 13.0 | 65* [a] | 4 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | ND | | 20 | 15.4 | 77 | 20 | 15.2 | 76 | 1 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | ND | | 20 | 14.6 | 73 | 20 | 14.4 | 72 | 1 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | 80 | 72.0 | 90 | 80 | 73.3 | 92 | 2 | 71-142/21 |
| 74-83-9 | Methyl bromide | ND | | 20 | 23.5 | 118 | 20 | 23.3 | 117 | 1 | 68-132/18 |
| 74-87-3 | Methyl chloride | ND | | 20 | 24.5 | 123 | 20 | 24.1 | 121 | 2 | 39-150/28 |
| 74-95-3 | Methylene bromide | ND | | 20 | 19.1 | 96 | 20 | 19.0 | 95 | 1 | 77-127/16 |
| 75-09-2 | Methylene chloride | ND | | 20 | 18.9 | 95 | 20 | 19.1 | 96 | 1 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | ND | | 80 | 83.2 | 104 | 80 | 85.7 | 107 | 3 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | | 20 | 20.2 | 101 | 20 | 20.8 | 104 | 3 | 73-132/17 |
| 91-20-3 | Naphthalene | ND | | 20 | 15.8 | 79 | 20 | 16.9 | 85 | 7 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | ND | | 20 | 15.9 | 80 | 20 | 15.6 | 78 | 2 | 71-127/17 |
| 100-42-5 | Styrene | ND | | 20 | 16.5 | 83 | 20 | 16.4 | 82 | 1 | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | | 20 | 20.1 | 101 | 20 | 20.6 | 103 | 2 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | ND | | 100 | 113 | 113 | 100 | 139 | 139 | 21 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | 20 | 18.2 | 91 | 20 | 18.1 | 91 | 1 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 20 | 19.0 | 95 | 20 | 18.9 | 95 | 1 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 20 | 18.1 | 91 | 20 | 18.5 | 93 | 2 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 20 | 17.9 | 90 | 20 | 18.0 | 90 | 1 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | 20 | 14.5 | 73 | 20 | 15.3 | 77 | 5 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | 20 | 16.2 | 81 | 20 | 16.7 | 84 | 3 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 20 | 14.6 | 73 | 20 | 15.1 | 76 | 3 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | 20 | 16.6 | 83 | 20 | 16.5 | 83 | 1 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | 20 | 16.2 | 81 | 20 | 16.0 | 80 | 1 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | ND | | 20 | 14.3 | 72 | 20 | 14.4 | 72 | 1 | 69-127/20 |
| 108-88-3 | Toluene | ND | | 20 | 17.1 | 86 | 20 | 16.8 | 84 | 2 | 75-122/17 |
| 79-01-6 | Trichloroethylene | 1.6 | | 20 | 18.8 | 86 | 20 | 18.4 | 84 | 2 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | ND | | 20 | 20.6 | 103 | 20 | 20.0 | 100 | 3 | 65-136/23 |
| 75-01-4 | Vinyl chloride | ND | | 20 | 20.7 | 104 | 20 | 20.8 | 104 | 0 | 57-146/22 |
| 1330-20-7 | Xylene (total) | ND | | 60 | 49.1 | 82 | 60 | 48.8 | 81 | 1 | 77-125/17 |

| CAS No. | Surrogate Recoveries | MS | MSD | C35781-1 | Limits |
|---|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 124% | 123% | 101% | 70-130% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35781-1MS | W48104.D | 1 | 09/04/14 | BD | n/a | n/a | VW1729 |
| C35781-1MSD | W48105.D | 1 | 09/04/14 | BD | n/a | n/a | VW1729 |
| C35781-1 | W48087.D | 1 | 09/04/14 | BD | n/a | n/a | VW1729 |



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

C35734-3, C35734-4

| CAS No. | Surrogate Recoveries | MS | MSD | C35781-1 | Limits |
|---|---|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 102% | 102% | 105% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 105% | 104% | 100% | 70-130% |

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35733-3MS | W48130.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| C35733-3MSD | W48131.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| C35733-3 | W48115.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |



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

C35734-5, C35734-6, C35734-7, C35734-8

| CAS No. | Compound | C35733-3 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 80 | 96.9 | 121 | 80 | 96.7 | 121 | 0 | 38-159/24 |
| 71-43-2 | Benzene | ND | | 20 | 17.6 | 88 | 20 | 17.4 | 87 | 1 | 77-122/16 |
| 108-86-1 | Bromobenzene | ND | | 20 | 17.4 | 87 | 20 | 17.4 | 87 | 0 | 76-126/17 |
| 74-97-5 | Bromochloromethane | ND | | 20 | 19.6 | 98 | 20 | 19.8 | 99 | 1 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | ND | | 20 | 19.0 | 95 | 20 | 18.6 | 93 | 2 | 75-127/16 |
| 75-25-2 | Bromoform | ND | | 20 | 16.4 | 82 | 20 | 16.1 | 81 | 2 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | ND | | 20 | 16.8 | 84 | 20 | 16.7 | 84 | 1 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | ND | | 20 | 16.4 | 82 | 20 | 16.4 | 82 | 0 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | ND | | 20 | 16.3 | 82 | 20 | 16.5 | 83 | 1 | 73-127/18 |
| 108-90-7 | Chlorobenzene | ND | | 20 | 16.9 | 85 | 20 | 16.9 | 85 | 0 | 77-122/16 |
| 75-00-3 | Chloroethane | ND | | 20 | 24.7 | 124 | 20 | 24.0 | 120 | 3 | 69-133/18 |
| 67-66-3 | Chloroform | ND | | 20 | 21.7 | 109 | 20 | 21.3 | 107 | 2 | 74-126/17 |
| 95-49-8 | o-Chlorotoluene | ND | | 20 | 18.3 | 92 | 20 | 18.2 | 91 | 1 | 72-127/20 |
| 106-43-4 | p-Chlorotoluene | ND | | 20 | 18.2 | 91 | 20 | 18.3 | 92 | 1 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | ND | | 20 | 18.0 | 90 | 20 | 17.5 | 88 | 3 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 20 | 22.1 | 111 | 20 | 21.6 | 108 | 2 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | ND | | 20 | 18.9 | 95 | 20 | 18.8 | 94 | 1 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | ND | | 20 | 17.3 | 87 | 20 | 17.0 | 85 | 2 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | 20 | 19.1 | 96 | 20 | 18.3 | 92 | 4 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | ND | | 20 | 17.0 | 85 | 20 | 16.9 | 85 | 1 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 20 | 18.6 | 93 | 20 | 18.2 | 91 | 2 | 71-131/17 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 20 | 18.4 | 92 | 20 | 18.1 | 91 | 2 | 78-124/16 |
| 142-28-9 | 1,3-Dichloropropane | ND | | 20 | 17.5 | 88 | 20 | 17.4 | 87 | 1 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | ND | | 20 | 22.2 | 111 | 20 | 21.4 | 107 | 4 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | ND | | 20 | 20.3 | 102 | 20 | 19.5 | 98 | 4 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | ND | | 20 | 16.3 | 82 | 20 | 16.1 | 81 | 1 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 20 | 23.7 | 119 | 20 | 21.9 | 110 | 8 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | 20 | 20.4 | 102 | 20 | 20.0 | 100 | 2 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 20 | 17.9 | 90 | 20 | 17.8 | 89 | 1 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | ND | | 20 | 17.6 | 88 | 20 | 17.7 | 89 | 1 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | ND | | 20 | 17.5 | 88 | 20 | 17.6 | 88 | 1 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | ND | | 20 | 17.3 | 87 | 20 | 17.5 | 88 | 1 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | 20 | 19.9 | 100 | 20 | 19.8 | 99 | 1 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 20 | 17.9 | 90 | 20 | 17.8 | 89 | 1 | 71-126/16 |
| 100-41-4 | Ethylbenzene | ND | | 20 | 17.1 | 86 | 20 | 16.9 | 85 | 1 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | ND | | 20 | 21.7 | 109 | 20 | 20.9 | 105 | 4 | 75-134/17 |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35733-3MS | W48130.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| C35733-3MSD | W48131.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| C35733-3 | W48115.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |



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

C35734-5, C35734-6, C35734-7, C35734-8

| CAS No. | Compound | C35733-3 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | | 80 | 74.5 | 93 | 80 | 72.2 | 90 | 3 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | ND | | 20 | 14.6 | 73 | 20 | 14.9 | 75 | 2 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | ND | | 20 | 16.7 | 84 | 20 | 16.4 | 82 | 2 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | ND | | 20 | 16.3 | 82 | 20 | 16.5 | 83 | 1 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | 80 | 74.9 | 94 | 80 | 71.8 | 90 | 4 | 71-142/21 |
| 74-83-9 | Methyl bromide | ND | | 20 | 23.9 | 120 | 20 | 23.8 | 119 | 0 | 68-132/18 |
| 74-87-3 | Methyl chloride | ND | | 20 | 25.9 | 130 | 20 | 24.1 | 121 | 7 | 39-150/28 |
| 74-95-3 | Methylene bromide | ND | | 20 | 18.5 | 93 | 20 | 18.3 | 92 | 1 | 77-127/16 |
| 75-09-2 | Methylene chloride | ND | | 20 | 19.4 | 97 | 20 | 19.1 | 96 | 2 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | ND | | 80 | 88.8 | 111 | 80 | 86.5 | 108 | 3 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | | 20 | 20.9 | 105 | 20 | 20.3 | 102 | 3 | 73-132/17 |
| 91-20-3 | Naphthalene | ND | | 20 | 16.5 | 83 | 20 | 16.6 | 83 | 1 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | ND | | 20 | 17.3 | 87 | 20 | 17.4 | 87 | 1 | 71-127/17 |
| 100-42-5 | Styrene | ND | | 20 | 16.5 | 83 | 20 | 16.4 | 82 | 1 | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | | 20 | 20.7 | 104 | 20 | 20.1 | 101 | 3 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | ND | | 100 | 142 | 142 | 100 | 144 | 144 | 1 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | 20 | 17.8 | 89 | 20 | 17.5 | 88 | 2 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 20 | 21.1 | 106 | 20 | 20.6 | 103 | 2 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 20 | 18.1 | 91 | 20 | 18.0 | 90 | 1 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 20 | 17.4 | 87 | 20 | 17.0 | 85 | 2 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | 20 | 15.5 | 78 | 20 | 15.7 | 79 | 1 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | 20 | 16.1 | 81 | 20 | 15.6 | 78 | 3 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 20 | 15.7 | 79 | 20 | 15.9 | 80 | 1 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | 20 | 17.3 | 87 | 20 | 17.5 | 88 | 1 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | 20 | 17.2 | 86 | 20 | 17.4 | 87 | 1 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | ND | | 20 | 15.7 | 79 | 20 | 15.5 | 78 | 1 | 69-127/20 |
| 108-88-3 | Toluene | ND | | 20 | 16.9 | 85 | 20 | 16.9 | 85 | 0 | 75-122/17 |
| 79-01-6 | Trichloroethylene | 9.1 | | 20 | 26.0 | 85 | 20 | 25.7 | 83 | 1 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | ND | | 20 | 24.6 | 123 | 20 | 23.6 | 118 | 4 | 65-136/23 |
| 75-01-4 | Vinyl chloride | ND | | 20 | 23.3 | 117 | 20 | 22.9 | 115 | 2 | 57-146/22 |
| 1330-20-7 | Xylene (total) | ND | | 60 | 49.6 | 83 | 60 | 49.8 | 83 | 0 | 77-125/17 |

| CAS No. | Surrogate Recoveries | MS | MSD | C35733-3 | Limits |
|---|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 126% | 124% | 104% | 70-130% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35734
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35733-3MS | W48130.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| C35733-3MSD | W48131.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |
| C35733-3 | W48115.D | 1 | 09/05/14 | BD | n/a | n/a | VW1730 |

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

C35734-5, C35734-6, C35734-7, C35734-8

| CAS No. | Surrogate Recoveries | MS | MSD | C35733-3 | Limits |
|---|---|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 103% | 103% | 106% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 105% | 102% | 100% | 70-130% |

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES



## General Chemistry

# QC Data Summaries

Includes the following where applicable:

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

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35734
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 | GP6800/GN14463 | 3.0 | 0.0 | ug/l | 25 | 23.3 | 93.2 | 85-115% |
| Specific Conductivity | GN14465 | 1.0 | 0.0 | umhos/cm | | | | |

Associated Samples:
Batch GP6800: C35734-2, C35734-3, C35734-4, C35734-5, C35734-6, C35734-7, C35734-8
Batch GN14465: C35734-2, C35734-3, C35734-4, C35734-5, C35734-6, C35734-7, C35734-8
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35734
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

| Analyte | Batch ID | Units | Spike Amount | BSD Result | RPD | QC Limit |
|---|---|---|---|---|---|---|
| Perchlorate | GP6800/GN14463 | ug/l | 25 | 23.0 | 1.3 | |

Associated Samples:
Batch GP6800: C35734-2, C35734-3, C35734-4, C35734-5, C35734-6, C35734-7, C35734-8
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35734
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 | GN14465 | C35734-6 | umhos/cm | 309 | 307 | 0.6 | 0-10% |

Associated Samples:
Batch GN14465: C35734-2, C35734-3, C35734-4, C35734-5, C35734-6, C35734-7, C35734-8
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35734
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 | GP6800/GN14463 | C35733-8 | ug/l | 31.7 | 50 | 79.0 | 94.6 | 80-120% |

Associated Samples:
Batch GP6800: C35734-2, C35734-3, C35734-4, C35734-5, C35734-6, C35734-7, C35734-8
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35734
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 | GP6800/GN14463 | C35733-8 | ug/l | 31.7 | 50 | 77.7 | 1.7 | 15% |

Associated Samples:
Batch GP6800: C35734-2, C35734-3, C35734-4, C35734-5, C35734-6, C35734-7, C35734-8
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

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LABORATORIES

09/17/14

# Technical Report for

ERM-Irvine

BF Goodrich Superfund Sampling, Rialto

BF GOODRICH SUPERFUND SAMPLING

Accutest Job Number: C35768

Sampling Date: 08/29/14

Report to:

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Total number of pages in report: **82**

NELAP ACCREDITED TNI LABORATORY

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

James J. Rhudy
Lab Director

Client Service contact: Nutan Kabir 408-588-0200

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

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# Sample Summary

ERM-Irvine

**Job No:** C35768

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

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| C35768-1 | 08/29/14 | 00:00 | KW | 09/03/14 | AQ | Trip Blank Water | 29082014TB-1 |
| C35768-2 | 08/29/14 | 07:10 | KW | 09/03/14 | AQ | Equipment Blank | 29082014EB-1 |
| C35768-3 | 08/29/14 | 07:50 | KW | 09/03/14 | AQ | Ground Water | EPA-MP4E-GW-29/08/2014 |
| C35768-4 | 08/29/14 | 08:30 | KW | 09/03/14 | AQ | Ground Water | EPA-MP4D-GW-29/08/2014 |
| C35768-5 | 08/29/14 | 00:00 | KW | 09/03/14 | AQ | Ground Water | 29082014D-1 |
| C35768-6 | 08/29/14 | 09:10 | KW | 09/03/14 | AQ | Ground Water | EPA-MP4C-GW-29/08/2014 |
| C35768-7 | 08/29/14 | 09:40 | KW | 09/03/14 | AQ | Ground Water | EPA-MP4B-GW-29/08/2014 |
| C35768-8 | 08/29/14 | 10:10 | KW | 09/03/14 | AQ | Ground Water | EPA-MP4A-GW-29/08/2014 |
| C35768-9 | 08/29/14 | 09:15 | KW | 09/03/14 | AQ | Field Blank Water | 29082014FB-3 |
| C35768-10 | 08/29/14 | 08:40 | KW | 09/03/14 | AQ | Ground Water | EMW-05A-450-GW-29/08/2014 |
| C35768-11 | 08/29/14 | 07:30 | KW | 09/03/14 | AQ | Ground Water | EMW-05B-612-GW-29/08/2014 |
| C35768-12 | 08/29/14 | 08:05 | KW | 09/03/14 | AQ | Ground Water | EMW-05C-720-GW-29/08/2014 |

# Summary of Hits

**Job Number:** C35768
**Account:** ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto
**Collected:** 08/29/14

| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| **C35768-1** | **29082014TB-1** | | | | | |
| No hits reported in this sample. | | | | | | |
| **C35768-2** | **29082014EB-1** | | | | | |
| Acetone | | 4.2 J | 20 | 4.0 | ug/l | SW846 8260B |
| Perchlorate | | 0.91 J | 3.0 | 0.31 | ug/l | EPA 314 |
| Specific Conductivity | | 3.7 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35768-3** | **EPA-MP4E-GW-29/08/2014** | | | | | |
| Specific Conductivity | | 325 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35768-4** | **EPA-MP4D-GW-29/08/2014** | | | | | |
| Trichloroethylene | | 6.0 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 0.92 J | 3.0 | 0.31 | ug/l | EPA 314 |
| Specific Conductivity | | 499 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35768-5** | **29082014D-1** | | | | | |
| Trichloroethylene | | 1.5 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Specific Conductivity | | 477 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35768-6** | **EPA-MP4C-GW-29/08/2014** | | | | | |
| Trichloroethylene | | 1.2 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 0.87 J | 3.0 | 0.31 | ug/l | EPA 314 |
| Specific Conductivity | | 477 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35768-7** | **EPA-MP4B-GW-29/08/2014** | | | | | |
| Trichloroethylene | | 0.32 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 1.4 J | 3.0 | 0.31 | ug/l | EPA 314 |
| Specific Conductivity | | 492 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35768-8** | **EPA-MP4A-GW-29/08/2014** | | | | | |
| Trichloroethylene | | 0.95 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 3.2 | 3.0 | 0.31 | ug/l | EPA 314 |
| Specific Conductivity | | 328 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |

# Summary of Hits

**Job Number:** C35768
**Account:** ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto
**Collected:** 08/29/14

| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| **C35768-9** | **29082014FB-3** | | | | | |
| Acetone | | 5.8 J | 20 | 4.0 | ug/l | SW846 8260B |
| Specific Conductivity | | 2.4 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35768-10** | **EMW-05A-450-GW-29/08/2014** | | | | | |
| Acetone | | 9.0 J | 20 | 4.0 | ug/l | SW846 8260B |
| 1,2-Dichloroethane | | 0.91 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Ethylbenzene | | 0.21 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Toluene | | 4.1 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Trichloroethylene | | 0.89 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 99.2 | 15 | 1.6 | ug/l | EPA 314 |
| Specific Conductivity | | 418 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35768-11** | **EMW-05B-612-GW-29/08/2014** | | | | | |
| 1,2-Dichloroethane | | 1.3 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Ethylbenzene | | 0.23 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Toluene | | 3.2 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Trichloroethylene | | 0.61 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Specific Conductivity | | 765 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35768-12** | **EMW-05C-720-GW-29/08/2014** | | | | | |
| Acetone | | 9.2 J | 20 | 4.0 | ug/l | SW846 8260B |
| 1,2-Dichloroethane | | 0.31 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Toluene | | 4.1 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Specific Conductivity | | 349 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |

Northern California ACCUTEST LABORATORIES



## Sample Results

Report of Analysis

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 29082014TB-1 | | |
| **Lab Sample ID:** | C35768-1 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Trip Blank Water | **Date Received:** | 09/03/14 |
| **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 | W48197.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 29082014TB-1 | | |
| **Lab Sample ID:** | C35768-1 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Trip Blank Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 103% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 105% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 29082014TB-1 | | |
| **Lab Sample ID:** | C35768-1 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Trip Blank Water | **Date Received:** | 09/03/14 |
| **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 | 99% | | 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:** | 29082014EB-1 | | |
| **Lab Sample ID:** | C35768-2 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Equipment Blank | **Date Received:** | 09/03/14 |
| **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 | W48198.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| 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 | 4.2 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 29082014EB-1 | | |
| **Lab Sample ID:** | C35768-2 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Equipment Blank | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 104% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 104% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 29082014EB-1 | | |
| **Lab Sample ID:** | C35768-2 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Equipment Blank | **Date Received:** | 09/03/14 |
| **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:** | 29082014EB-1 | | |
| **Lab Sample ID:** | C35768-2 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Equipment Blank | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 0.91 J | 3.0 | 0.31 | ug/l | 1 | 09/16/14 13:16 | PH | EPA 314 |
| Specific Conductivity | 3.7 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 11:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EPA-MP4E-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-3 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | W48211.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EPA-MP4E-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-3 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 108% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 105% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EPA-MP4E-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-3 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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:** | EPA-MP4E-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-3 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 0.31 U | 3.0 | 0.31 | ug/l | 1 | 09/16/14 13:34 | PH | EPA 314 |
| Specific Conductivity | 325 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 11:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EPA-MP4D-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-4 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | W48212.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EPA-MP4D-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-4 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 110% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 105% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EPA-MP4D-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-4 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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:** | EPA-MP4D-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-4 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 0.92 J | 3.0 | 0.31 | ug/l | 1 | 09/16/14 13:51 | PH | EPA 314 |
| Specific Conductivity | 499 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 11:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 29082014D-1 | | |
| **Lab Sample ID:** | C35768-5 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | V20533.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 29082014D-1 | | |
| **Lab Sample ID:** | C35768-5 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | 99% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 102% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 29082014D-1 | | |
| **Lab Sample ID:** | C35768-5 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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% |

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

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 29082014D-1 | | |
| **Lab Sample ID:** | C35768-5 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 0.31 U | 3.0 | 0.31 | ug/l | 1 | 09/16/14 14:08 | PH | EPA 314 |
| Specific Conductivity | 477 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 11:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EPA-MP4C-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-6 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | V20534.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EPA-MP4C-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-6 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | 1.2 | 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 | 97% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 102% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EPA-MP4C-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-6 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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% |

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

J = Indicates 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-29/08/2014 | | |
| **Lab Sample ID:** | C35768-6 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 0.87 J | 3.0 | 0.31 | ug/l | 1 | 09/16/14 14:26 | PH | EPA 314 |
| Specific Conductivity | 477 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 11:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EPA-MP4B-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-7 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | V20535.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EPA-MP4B-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-7 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | 0.32 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EPA-MP4B-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-7 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EPA-MP4B-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-7 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 1.4 J | 3.0 | 0.31 | ug/l | 1 | 09/16/14 15:18 | PH | EPA 314 |
| Specific Conductivity | 492 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 11:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EPA-MP4A-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-8 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | V20536.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EPA-MP4A-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-8 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | 0.95 | 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 | 97% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 101% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EPA-MP4A-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-8 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EPA-MP4A-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-8 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 3.2 | 3.0 | 0.31 | ug/l | 1 | 09/16/14 15:36 | PH | EPA 314 |
| Specific Conductivity | 328 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 11:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 29082014FB-3 | | |
| **Lab Sample ID:** | C35768-9 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Field Blank Water | **Date Received:** | 09/03/14 |
| **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 | V20532.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |
| 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 | 5.8 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 29082014FB-3 | | |
| **Lab Sample ID:** | C35768-9 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Field Blank Water | **Date Received:** | 09/03/14 |
| **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 | 102% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 29082014FB-3 | | |
| **Lab Sample ID:** | C35768-9 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Field Blank Water | **Date Received:** | 09/03/14 |
| **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% |

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

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 29082014FB-3 | | |
| **Lab Sample ID:** | C35768-9 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Field Blank Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 0.31 U | 3.0 | 0.31 | ug/l | 1 | 09/16/14 15:53 | PH | EPA 314 |
| Specific Conductivity | 2.4 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 11:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-05A-450-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-10 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | V20537.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |
| 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 | 9.0 | 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 | 0.91 | 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 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-05A-450-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-10 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | 0.21 | 1.0 | 0.20 | ug/l | J |
| 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 | 4.1 | 1.0 | 0.20 | ug/l | |
| 79-01-6 | Trichloroethylene | 0.89 | 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 | 99% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 101% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-05A-450-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-10 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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% |

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

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-05A-450-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-10 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 99.2 | 15 | 1.6 | ug/l | 5 | 09/16/14 19:57 | PH | EPA 314 |
| Specific Conductivity | 418 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 11:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-05B-612-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-11 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | V20538.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |
| 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 | 1.3 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-05B-612-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-11 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | 0.23 | 1.0 | 0.20 | ug/l | J |
| 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 | 3.2 | 1.0 | 0.20 | ug/l | |
| 79-01-6 | Trichloroethylene | 0.61 | 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 | 101% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-05B-612-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-11 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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% |

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

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-05B-612-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-11 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 0.31 U | 3.0 | 0.31 | ug/l | 1 | 09/16/14 16:28 | PH | EPA 314 |
| Specific Conductivity | 765 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 11:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-05C-720-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-12 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | V20539.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |
| 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 | 9.2 | 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 | 0.31 | 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 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-05C-720-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-12 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | 4.1 | 1.0 | 0.20 | ug/l | |
| 79-01-6 | Trichloroethylene | ND | 1.0 | 0.20 | ug/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 | 103% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-05C-720-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-12 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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% |

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

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-05C-720-GW-29/08/2014 | | |
| **Lab Sample ID:** | C35768-12 | **Date Sampled:** | 08/29/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 0.31 U | 3.0 | 0.31 | ug/l | 1 | 09/16/14 16:45 | PH | EPA 314 |
| Specific Conductivity | 349 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 11:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

Northern California ACCUTEST LABORATORIES



## Misc. Forms

# Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

C35768

**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

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

CC:
Darren.Burgett@erm.com
Christopher.Berg@erm.com

| SAMPLE I.D. | DATE | TIME | MATRIX | CONTAINERS # | VOC's 8260B | Perchlorate 314.0 | | | | | LAB # | ADD'L INFORMATION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29082014TB-1 | 8-29-14 | 0700 | W | 3 | X | | | | | | 1 | |
| 29082014EB-1 | | 0710 | | 4 | X | X | | | | | 2 | |
| EPA-MP4E-GW-29/08/2014 | | 0750 | | | X | X | | | | | 3 | |
| EPA-MP4D-GW-29/08/2014 | | 0830 | | | X | X | | | | | 4 | |
| 29082014D-1 | | — | | | X | X | | | | | 5 | |
| EPA-MP4C-GW-29/08/2014 | | 0910 | | | X | X | | | | | 6 | |
| EPA-MP4B-GW-29/08/2014 | | 0940 | | | X | X | | | | | 7 | TEMPS = 5.2 - 0.1 = 5.1°C |
| EPA-MP4A-GW-29/08/2014 | | 1010 | | | X | X | | | | | 8 | 3.4 - 0.1 = 3.3°C |
| 29082014FB-3 | | 0915 | | | X | X | | | | | 9 | |
| EMW-05A-490-GW-29/08/2014 | | 0840 | | | X | X | | | | | 10 | |

| SAMPLING COMPLETED | DATE | TIME | SAMPLING PERFORMED BY | RESULTS NEEDED NO LATER THAN |
|---|---|---|---|---|
| | 8-29-14 | 1030 | Kwoff E. Vail | As Contracted |

| RELEASED BY | TIME | RECEIVED BY | TIME |
|---|---|---|---|
| [signature] | 1345 | MA | 1345 |
| MA | | [signature] | 9-2-14 1000 |
| [signature] | 9-2-14 1230 | Lee [signature] | 9/3/14 0921 |

| SHIPPED VIA | TIME SENT | COOLER # |
|---|---|---|
| FedEx TRK# 6044 6487 8991 | | |

2 COOLERS ~~Temp = 5.2 - 0.3 = 4.9°C / 3.4 - 0.3 = 3.1°C~~

IRVINE

IM

4.1

4

**C35768: Chain of Custody**
**Page 1 of 3**



ACCUTEST LABORATORIES
C35768

C35768

**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

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

CC:
Darren.Burgett@erm.com
Christopher.Berg@erm.com

| SAMPLE I.D. | DATE | TIME | MATRIX | CONTAINERS # | | VOC's 8260B | Perchlorate 314.0 | | | | | LAB # | ADD'L INFORMATION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EMW-05B-612-GW-29/08/2014 | 8/29/14 | 0730 | W | 4 | | X | X | | | | | 11 | |
| EMW-05C-720-GW-29/08/2014 | ↓ | 0805 | ↓ | ↓ | | X | X | | | | | 12 | |

| SAMPLING COMPLETED | DATE | TIME | SAMPLING PERFORMED BY | RESULTS NEEDED NO LATER THAN | As Contracted |
|---|---|---|---|---|---|
| | 8-29-14 | 1030 | | | |

| RELEASED BY | TIME | RECEIVED BY | TIME |
|---|---|---|---|
| [signature] | 1345 | MA | 1345 |
| MA | | [signature] | 9-2-14 1000 |
| [signature] | 9-2-14 1230 | [signature] | 9/3/14 9/21 |

| SHIPPED VIA | TIME SENT | COOLER # |
|---|---|---|
| | | |

IRVINE

4.1
4

**C35768: Chain of Custody**
**Page 2 of 3**

# Accutest Laboratories Sample Receipt Summary

**Accutest Job Number:** C35768 **Client:** BLAINE TECH **Project:** BF GOODRICH RIALTO SUPERFUND SITE

**Date / Time Received:** 9/3/2014 **Delivery Method:** FedEx **Airbill #'s:** 804464878991

**Cooler Temps (Initial/Adjusted):** #1: (5.2/5.1); #2: (3.4/3.3);

| 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: | IR2; | | |
| 3. Cooler media: | Ice (Bag) | | |
| 4. No. Coolers: | 3 | | |

| 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



**C35768: 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:** C35768
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1733-MB | W48196.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |



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

C35768-1, C35768-2, C35768-3, C35768-4

| 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:** C35768
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1733-MB | W48196.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |



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

C35768-1, C35768-2, C35768-3, C35768-4

| 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 | 103% | 70-130% |

# Method Blank Summary



**Job Number:** C35768
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1733-MB | W48196.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |

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

C35768-1, C35768-2, C35768-3, C35768-4

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 105% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | 70-130% |

# Method Blank Summary



**Job Number:** C35768
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VV809-MB | V20527.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |



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

C35768-5, C35768-6, C35768-7, C35768-8, C35768-9, C35768-10, C35768-11, C35768-12

| 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:** C35768
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VV809-MB | V20527.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |



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

C35768-5, C35768-6, C35768-7, C35768-8, C35768-9, C35768-10, C35768-11, C35768-12

| 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 | 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 | 98% | 70-130% |

# Method Blank Summary



**Job Number:** C35768
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VV809-MB | V20527.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |

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

C35768-5, C35768-6, C35768-7, C35768-8, C35768-9, C35768-10, C35768-11, C35768-12

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

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35768
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1733-BS | W48193.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| VW1733-BSD | W48194.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |



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

C35768-1, C35768-2, C35768-3, C35768-4

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 80 | 88.0 | 110 | 81.9 | 102 | 7 | 38-159/24 |
| 71-43-2 | Benzene | 20 | 18.5 | 93 | 18.5 | 93 | 0 | 77-122/25 |
| 108-86-1 | Bromobenzene | 20 | 20.0 | 100 | 19.8 | 99 | 1 | 76-126/17 |
| 74-97-5 | Bromochloromethane | 20 | 19.0 | 95 | 19.1 | 96 | 1 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | 20 | 19.0 | 95 | 19.0 | 95 | 0 | 75-127/16 |
| 75-25-2 | Bromoform | 20 | 17.9 | 90 | 18.0 | 90 | 1 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | 20 | 18.4 | 92 | 18.0 | 90 | 2 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | 20 | 19.6 | 98 | 19.1 | 96 | 3 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | 20 | 19.5 | 98 | 19.1 | 96 | 2 | 73-127/18 |
| 108-90-7 | Chlorobenzene | 20 | 19.2 | 96 | 19.3 | 97 | 1 | 77-122/16 |
| 75-00-3 | Chloroethane | 20 | 19.8 | 99 | 19.9 | 100 | 1 | 69-133/18 |
| 67-66-3 | Chloroform | 20 | 19.6 | 98 | 19.4 | 97 | 1 | 74-126/17 |
| 95-49-8 | o-Chlorotoluene | 20 | 21.2 | 106 | 20.6 | 103 | 3 | 72-127/20 |
| 106-43-4 | p-Chlorotoluene | 20 | 20.4 | 102 | 20.0 | 100 | 2 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | 20 | 20.8 | 104 | 20.7 | 104 | 0 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | 20 | 19.2 | 96 | 19.1 | 96 | 1 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | 20 | 19.5 | 98 | 19.4 | 97 | 1 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | 20 | 20.4 | 102 | 20.2 | 101 | 1 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 20 | 19.7 | 99 | 18.8 | 94 | 5 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | 20 | 18.5 | 93 | 18.6 | 93 | 1 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | 20 | 18.0 | 90 | 18.2 | 91 | 1 | 71-131/17 |
| 78-87-5 | 1,2-Dichloropropane | 20 | 18.6 | 93 | 18.6 | 93 | 0 | 78-124/16 |
| 142-28-9 | 1,3-Dichloropropane | 20 | 18.3 | 92 | 18.3 | 92 | 0 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | 20 | 19.2 | 96 | 19.1 | 96 | 1 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | 20 | 20.9 | 105 | 20.4 | 102 | 2 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | 20 | 17.5 | 88 | 17.6 | 88 | 1 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | 20 | 19.5 | 98 | 18.2 | 91 | 7 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | 20 | 19.4 | 97 | 19.2 | 96 | 1 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | 20 | 19.4 | 97 | 19.7 | 99 | 2 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | 20 | 20.4 | 102 | 20.1 | 101 | 1 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | 20 | 20.0 | 100 | 19.8 | 99 | 1 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | 20 | 19.3 | 97 | 19.2 | 96 | 1 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | 20 | 19.1 | 96 | 18.9 | 95 | 1 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | 20 | 18.8 | 94 | 19.0 | 95 | 1 | 71-126/16 |
| 100-41-4 | Ethylbenzene | 20 | 18.6 | 93 | 18.4 | 92 | 1 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | 20 | 21.2 | 106 | 21.3 | 107 | 0 | 75-134/17 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35768
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1733-BS | W48193.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| VW1733-BSD | W48194.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |



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

C35768-1, C35768-2, C35768-3, C35768-4

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | 80 | 73.7 | 92 | 72.9 | 91 | 1 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | 20 | 16.7 | 84 | 16.4 | 82 | 2 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | 20 | 18.9 | 95 | 18.9 | 95 | 0 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | 20 | 18.6 | 93 | 18.1 | 91 | 3 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | 80 | 69.2 | 87 | 69.0 | 86 | 0 | 71-142/21 |
| 74-83-9 | Methyl bromide | 20 | 18.8 | 94 | 19.1 | 96 | 2 | 68-132/18 |
| 74-87-3 | Methyl chloride | 20 | 19.1 | 96 | 18.8 | 94 | 2 | 39-150/28 |
| 74-95-3 | Methylene bromide | 20 | 19.0 | 95 | 19.0 | 95 | 0 | 77-127/16 |
| 75-09-2 | Methylene chloride | 20 | 17.7 | 89 | 17.9 | 90 | 1 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | 80 | 79.8 | 100 | 77.9 | 97 | 2 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | 20 | 20.0 | 100 | 20.1 | 101 | 0 | 73-132/17 |
| 91-20-3 | Naphthalene | 20 | 17.2 | 86 | 16.7 | 84 | 3 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | 20 | 20.2 | 101 | 19.7 | 99 | 3 | 71-127/17 |
| 100-42-5 | Styrene | 20 | 18.0 | 90 | 18.1 | 91 | 1 | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | 20 | 20.1 | 101 | 20.1 | 101 | 0 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | 100 | 145 | 145 | 183 | 183* | 23 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 20 | 19.5 | 98 | 19.6 | 98 | 1 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | 20 | 20.2 | 101 | 20.0 | 100 | 1 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20 | 19.8 | 99 | 19.3 | 97 | 3 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | 20 | 18.3 | 92 | 18.4 | 92 | 1 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 20 | 15.9 | 80 | 15.6 | 78 | 2 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | 20 | 17.4 | 87 | 17.5 | 88 | 1 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20 | 16.4 | 82 | 16.3 | 82 | 1 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 20 | 19.0 | 95 | 18.6 | 93 | 2 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 20 | 20.1 | 101 | 19.5 | 98 | 3 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | 20 | 18.9 | 95 | 18.9 | 95 | 0 | 69-127/20 |
| 108-88-3 | Toluene | 20 | 18.7 | 94 | 18.5 | 93 | 1 | 75-122/17 |
| 79-01-6 | Trichloroethylene | 20 | 19.0 | 95 | 19.2 | 96 | 1 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | 20 | 21.3 | 107 | 21.3 | 107 | 0 | 65-136/23 |
| 75-01-4 | Vinyl chloride | 20 | 19.4 | 97 | 19.2 | 96 | 1 | 57-146/22 |
| 1330-20-7 | Xylene (total) | 60 | 56.1 | 94 | 55.8 | 93 | 1 | 77-125/17 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 105% | 105% | 70-130% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35768
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1733-BS | W48193.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| VW1733-BSD | W48194.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |

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

C35768-1, C35768-2, C35768-3, C35768-4

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 103% | 103% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | 100% | 70-130% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35768
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VV809-BS | V20524.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |
| VV809-BSD | V20525.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |



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

C35768-5, C35768-6, C35768-7, C35768-8, C35768-9, C35768-10, C35768-11, C35768-12

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 80 | 70.8 | 89 | 72.8 | 91 | 3 | 38-159/24 |
| 71-43-2 | Benzene | 20 | 18.4 | 92 | 18.0 | 90 | 2 | 77-122/25 |
| 108-86-1 | Bromobenzene | 20 | 18.9 | 95 | 19.1 | 96 | 1 | 76-126/17 |
| 74-97-5 | Bromochloromethane | 20 | 19.5 | 98 | 19.6 | 98 | 1 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | 20 | 18.9 | 95 | 18.9 | 95 | 0 | 75-127/16 |
| 75-25-2 | Bromoform | 20 | 20.1 | 101 | 20.7 | 104 | 3 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | 20 | 18.7 | 94 | 18.4 | 92 | 2 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | 20 | 20.1 | 101 | 19.7 | 99 | 2 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | 20 | 19.9 | 100 | 19.5 | 98 | 2 | 73-127/18 |
| 108-90-7 | Chlorobenzene | 20 | 19.3 | 97 | 19.5 | 98 | 1 | 77-122/16 |
| 75-00-3 | Chloroethane | 20 | 19.4 | 97 | 18.9 | 95 | 3 | 69-133/18 |
| 67-66-3 | Chloroform | 20 | 18.8 | 94 | 18.9 | 95 | 1 | 74-126/17 |
| 95-49-8 | o-Chlorotoluene | 20 | 20.1 | 101 | 20.3 | 102 | 1 | 72-127/20 |
| 106-43-4 | p-Chlorotoluene | 20 | 19.5 | 98 | 19.1 | 96 | 2 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | 20 | 18.9 | 95 | 18.8 | 94 | 1 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | 20 | 18.3 | 92 | 18.1 | 91 | 1 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | 20 | 18.3 | 92 | 18.1 | 91 | 1 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | 20 | 19.2 | 96 | 18.7 | 94 | 3 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 20 | 17.8 | 89 | 18.3 | 92 | 3 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | 20 | 18.6 | 93 | 19.2 | 96 | 3 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | 20 | 18.9 | 95 | 19.0 | 95 | 1 | 71-131/17 |
| 78-87-5 | 1,2-Dichloropropane | 20 | 18.6 | 93 | 18.6 | 93 | 0 | 78-124/16 |
| 142-28-9 | 1,3-Dichloropropane | 20 | 18.4 | 92 | 19.0 | 95 | 3 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | 20 | 19.6 | 98 | 19.8 | 99 | 1 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | 20 | 18.8 | 94 | 18.5 | 93 | 2 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | 20 | 19.1 | 96 | 19.4 | 97 | 2 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | 20 | 19.3 | 97 | 18.0 | 90 | 7 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | 20 | 19.1 | 96 | 19.1 | 96 | 0 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | 20 | 19.7 | 99 | 19.5 | 98 | 1 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | 20 | 19.7 | 99 | 19.6 | 98 | 1 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | 20 | 19.7 | 99 | 19.8 | 99 | 1 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | 20 | 18.6 | 93 | 18.7 | 94 | 1 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | 20 | 18.5 | 93 | 18.4 | 92 | 1 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | 20 | 18.7 | 94 | 19.0 | 95 | 2 | 71-126/16 |
| 100-41-4 | Ethylbenzene | 20 | 19.0 | 95 | 18.7 | 94 | 2 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | 20 | 21.5 | 108 | 22.0 | 110 | 2 | 75-134/17 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35768
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VV809-BS | V20524.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |
| VV809-BSD | V20525.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |



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

C35768-5, C35768-6, C35768-7, C35768-8, C35768-9, C35768-10, C35768-11, C35768-12

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | 80 | 69.7 | 87 | 72.9 | 91 | 4 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | 20 | 18.7 | 94 | 18.3 | 92 | 2 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | 20 | 19.7 | 99 | 19.5 | 98 | 1 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | 20 | 19.2 | 96 | 18.9 | 95 | 2 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | 80 | 67.5 | 84 | 69.8 | 87 | 3 | 71-142/21 |
| 74-83-9 | Methyl bromide | 20 | 18.3 | 92 | 18.1 | 91 | 1 | 68-132/18 |
| 74-87-3 | Methyl chloride | 20 | 19.4 | 97 | 18.8 | 94 | 3 | 39-150/28 |
| 74-95-3 | Methylene bromide | 20 | 19.2 | 96 | 19.4 | 97 | 1 | 77-127/16 |
| 75-09-2 | Methylene chloride | 20 | 18.8 | 94 | 18.7 | 94 | 1 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | 80 | 71.0 | 89 | 72.5 | 91 | 2 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | 20 | 20.5 | 103 | 21.1 | 106 | 3 | 73-132/17 |
| 91-20-3 | Naphthalene | 20 | 18.8 | 94 | 19.3 | 97 | 3 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | 20 | 19.5 | 98 | 19.3 | 97 | 1 | 71-127/17 |
| 100-42-5 | Styrene | 20 | 19.3 | 97 | 19.2 | 96 | 1 | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | 20 | 20.6 | 103 | 21.3 | 107 | 3 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | 100 | 118 | 118 | 134 | 134 | 13 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 20 | 19.7 | 99 | 19.7 | 99 | 0 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | 20 | 19.0 | 95 | 18.6 | 93 | 2 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20 | 19.3 | 97 | 20.1 | 101 | 4 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | 20 | 19.0 | 95 | 19.4 | 97 | 2 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 20 | 18.5 | 93 | 18.7 | 94 | 1 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | 20 | 19.6 | 98 | 20.4 | 102 | 4 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20 | 18.4 | 92 | 18.6 | 93 | 1 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 20 | 19.3 | 97 | 19.0 | 95 | 2 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 20 | 20.0 | 100 | 19.6 | 98 | 2 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | 20 | 18.9 | 95 | 18.8 | 94 | 1 | 69-127/20 |
| 108-88-3 | Toluene | 20 | 18.9 | 95 | 18.9 | 95 | 0 | 75-122/17 |
| 79-01-6 | Trichloroethylene | 20 | 18.7 | 94 | 18.4 | 92 | 2 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | 20 | 19.3 | 97 | 18.9 | 95 | 2 | 65-136/23 |
| 75-01-4 | Vinyl chloride | 20 | 19.7 | 99 | 19.1 | 96 | 3 | 57-146/22 |
| 1330-20-7 | Xylene (total) | 60 | 58.6 | 98 | 58.2 | 97 | 1 | 77-125/17 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 102% | 103% | 70-130% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35768
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VV809-BS | V20524.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |
| VV809-BSD | V20525.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |

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

C35768-5, C35768-6, C35768-7, C35768-8, C35768-9, C35768-10, C35768-11, C35768-12

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 103% | 103% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 102% | 102% | 70-130% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35768
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35733-8MS | W48213.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| C35733-8MSD | W48214.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| C35733-8 | W48206.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |



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

C35768-1, C35768-2, C35768-3, C35768-4

| CAS No. | Compound | C35733-8 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 80 | 79.7 | 100 | 80 | 82.2 | 103 | 3 | 38-159/24 |
| 71-43-2 | Benzene | ND | | 20 | 18.8 | 94 | 20 | 19.0 | 95 | 1 | 77-122/16 |
| 108-86-1 | Bromobenzene | ND | | 20 | 18.7 | 94 | 20 | 19.5 | 98 | 4 | 76-126/17 |
| 74-97-5 | Bromochloromethane | ND | | 20 | 18.2 | 91 | 20 | 18.6 | 93 | 2 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | ND | | 20 | 19.2 | 96 | 20 | 19.6 | 98 | 2 | 75-127/16 |
| 75-25-2 | Bromoform | ND | | 20 | 17.0 | 85 | 20 | 17.3 | 87 | 2 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | ND | | 20 | 18.9 | 95 | 20 | 19.0 | 95 | 1 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | ND | | 20 | 20.0 | 100 | 20 | 20.2 | 101 | 1 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | ND | | 20 | 19.4 | 97 | 20 | 19.8 | 99 | 2 | 73-127/18 |
| 108-90-7 | Chlorobenzene | ND | | 20 | 18.9 | 95 | 20 | 19.3 | 97 | 2 | 77-122/16 |
| 75-00-3 | Chloroethane | ND | | 20 | 21.9 | 110 | 20 | 21.5 | 108 | 2 | 69-133/18 |
| 67-66-3 | Chloroform | ND | | 20 | 20.4 | 102 | 20 | 20.5 | 103 | 0 | 74-126/17 |
| 95-49-8 | o-Chlorotoluene | ND | | 20 | 21.1 | 106 | 20 | 21.4 | 107 | 1 | 72-127/20 |
| 106-43-4 | p-Chlorotoluene | ND | | 20 | 20.6 | 103 | 20 | 21.1 | 106 | 2 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | ND | | 20 | 21.9 | 110 | 20 | 22.1 | 111 | 1 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 20 | 20.7 | 104 | 20 | 20.4 | 102 | 1 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | ND | | 20 | 20.0 | 100 | 20 | 20.1 | 101 | 0 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | ND | | 20 | 21.5 | 108 | 20 | 21.6 | 108 | 0 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | 20 | 18.6 | 93 | 20 | 19.4 | 97 | 4 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | ND | | 20 | 17.7 | 89 | 20 | 18.3 | 92 | 3 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 20 | 19.1 | 96 | 20 | 19.1 | 96 | 0 | 71-131/17 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 20 | 19.1 | 96 | 20 | 19.3 | 97 | 1 | 78-124/16 |
| 142-28-9 | 1,3-Dichloropropane | ND | | 20 | 18.4 | 92 | 20 | 18.5 | 93 | 1 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | ND | | 20 | 20.6 | 103 | 20 | 20.4 | 102 | 1 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | ND | | 20 | 20.2 | 101 | 20 | 19.6 | 98 | 3 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | ND | | 20 | 16.7 | 84 | 20 | 17.1 | 86 | 2 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 20 | 21.3 | 107 | 20 | 19.9 | 100 | 7 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | 20 | 19.6 | 98 | 20 | 19.6 | 98 | 0 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 20 | 18.9 | 95 | 20 | 19.5 | 98 | 3 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | ND | | 20 | 19.6 | 98 | 20 | 20.1 | 101 | 3 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | ND | | 20 | 19.3 | 97 | 20 | 19.7 | 99 | 2 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | ND | | 20 | 18.5 | 93 | 20 | 19.1 | 96 | 3 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | 20 | 19.3 | 97 | 20 | 19.5 | 98 | 1 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 20 | 18.5 | 93 | 20 | 18.7 | 94 | 1 | 71-126/16 |
| 100-41-4 | Ethylbenzene | ND | | 20 | 19.0 | 95 | 20 | 19.1 | 96 | 1 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | ND | | 20 | 22.0 | 110 | 20 | 21.9 | 110 | 0 | 75-134/17 |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35768
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35733-8MS | W48213.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| C35733-8MSD | W48214.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| C35733-8 | W48206.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |



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

C35768-1, C35768-2, C35768-3, C35768-4

| CAS No. | Compound | C35733-8 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | | 80 | 74.2 | 93 | 80 | 75.5 | 94 | 2 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | ND | | 20 | 15.6 | 78 | 20 | 16.3 | 82 | 4 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | ND | | 20 | 19.5 | 98 | 20 | 19.4 | 97 | 1 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | ND | | 20 | 18.6 | 93 | 20 | 18.9 | 95 | 2 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | 80 | 69.6 | 87 | 80 | 71.5 | 89 | 3 | 71-142/21 |
| 74-83-9 | Methyl bromide | ND | | 20 | 19.6 | 98 | 20 | 19.1 | 96 | 3 | 68-132/18 |
| 74-87-3 | Methyl chloride | ND | | 20 | 21.6 | 108 | 20 | 21.0 | 105 | 3 | 39-150/28 |
| 74-95-3 | Methylene bromide | ND | | 20 | 18.8 | 94 | 20 | 19.3 | 97 | 3 | 77-127/16 |
| 75-09-2 | Methylene chloride | ND | | 20 | 17.8 | 89 | 20 | 17.7 | 89 | 1 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | ND | | 80 | 75.2 | 94 | 80 | 78.8 | 99 | 5 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | | 20 | 20.0 | 100 | 20 | 20.1 | 101 | 0 | 73-132/17 |
| 91-20-3 | Naphthalene | ND | | 20 | 15.6 | 78 | 20 | 16.4 | 82 | 5 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | ND | | 20 | 20.4 | 102 | 20 | 20.8 | 104 | 2 | 71-127/17 |
| 100-42-5 | Styrene | ND | | 20 | 17.8 | 89 | 20 | 18.1 | 91 | 2 | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | | 20 | 20.0 | 100 | 20 | 20.3 | 102 | 1 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | ND | | 100 | 115 | 115 | 100 | 132 | 132 | 14 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | 20 | 19.2 | 96 | 20 | 19.2 | 96 | 0 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 20 | 21.7 | 109 | 20 | 21.5 | 108 | 1 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 20 | 19.0 | 95 | 20 | 19.5 | 98 | 3 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 20 | 18.2 | 91 | 20 | 18.3 | 92 | 1 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | 20 | 14.2 | 71 | 20 | 15.2 | 76 | 7 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | 20 | 16.8 | 84 | 20 | 16.7 | 84 | 1 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 20 | 14.9 | 75 | 20 | 15.7 | 79 | 5 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | 20 | 18.8 | 94 | 20 | 19.2 | 96 | 2 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | 20 | 19.8 | 99 | 20 | 20.2 | 101 | 2 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | ND | | 20 | 18.6 | 93 | 20 | 18.8 | 94 | 1 | 69-127/20 |
| 108-88-3 | Toluene | ND | | 20 | 18.7 | 94 | 20 | 18.9 | 95 | 1 | 75-122/17 |
| 79-01-6 | Trichloroethylene | 0.75 | J | 20 | 20.4 | 98 | 20 | 20.9 | 101 | 2 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | ND | | 20 | 23.9 | 120 | 20 | 23.2 | 116 | 3 | 65-136/23 |
| 75-01-4 | Vinyl chloride | ND | | 20 | 21.7 | 109 | 20 | 21.3 | 107 | 2 | 57-146/22 |
| 1330-20-7 | Xylene (total) | ND | | 60 | 55.8 | 93 | 60 | 56.7 | 95 | 2 | 77-125/17 |

| CAS No. | Surrogate Recoveries | MS | MSD | C35733-8 | Limits |
|---|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 107% | 105% | 104% | 70-130% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35768
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35733-8MS | W48213.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| C35733-8MSD | W48214.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| C35733-8 | W48206.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |

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

C35768-1, C35768-2, C35768-3, C35768-4

| CAS No. | Surrogate Recoveries | MS | MSD | C35733-8 | Limits |
|---|---|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 104% | 103% | 104% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | 99% | 98% | 70-130% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35768
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35768-5MS | V20545.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |
| C35768-5MSD | V20546.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |
| C35768-5 | V20533.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |



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

C35768-5, C35768-6, C35768-7, C35768-8, C35768-9, C35768-10, C35768-11, C35768-12

| CAS No. | Compound | C35768-5 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 80 | 81.8 | 102 | 80 | 81.5 | 102 | 0 | 38-159/24 |
| 71-43-2 | Benzene | ND | | 20 | 18.3 | 92 | 20 | 18.2 | 91 | 1 | 77-122/16 |
| 108-86-1 | Bromobenzene | ND | | 20 | 18.9 | 95 | 20 | 18.9 | 95 | 0 | 76-126/17 |
| 74-97-5 | Bromochloromethane | ND | | 20 | 18.9 | 95 | 20 | 18.7 | 94 | 1 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | ND | | 20 | 18.6 | 93 | 20 | 18.5 | 93 | 1 | 75-127/16 |
| 75-25-2 | Bromoform | ND | | 20 | 19.4 | 97 | 20 | 19.4 | 97 | 0 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | ND | | 20 | 18.7 | 94 | 20 | 18.8 | 94 | 1 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | ND | | 20 | 20.5 | 103 | 20 | 20.4 | 102 | 0 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | ND | | 20 | 20.1 | 101 | 20 | 20.2 | 101 | 0 | 73-127/18 |
| 108-90-7 | Chlorobenzene | ND | | 20 | 19.5 | 98 | 20 | 19.3 | 97 | 1 | 77-122/16 |
| 75-00-3 | Chloroethane | ND | | 20 | 19.6 | 98 | 20 | 19.1 | 96 | 3 | 69-133/18 |
| 67-66-3 | Chloroform | ND | | 20 | 18.6 | 93 | 20 | 18.7 | 94 | 1 | 74-126/17 |
| 95-49-8 | o-Chlorotoluene | ND | | 20 | 20.2 | 101 | 20 | 20.2 | 101 | 0 | 72-127/20 |
| 106-43-4 | p-Chlorotoluene | ND | | 20 | 19.2 | 96 | 20 | 19.3 | 97 | 1 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | ND | | 20 | 19.7 | 99 | 20 | 19.4 | 97 | 2 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 20 | 18.0 | 90 | 20 | 17.9 | 90 | 1 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | ND | | 20 | 18.7 | 94 | 20 | 18.6 | 93 | 1 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | ND | | 20 | 19.6 | 98 | 20 | 19.5 | 98 | 1 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | 20 | 17.7 | 89 | 20 | 17.5 | 88 | 1 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | ND | | 20 | 18.6 | 93 | 20 | 18.6 | 93 | 0 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 20 | 18.4 | 92 | 20 | 18.2 | 91 | 1 | 71-131/17 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 20 | 18.3 | 92 | 20 | 18.2 | 91 | 1 | 78-124/16 |
| 142-28-9 | 1,3-Dichloropropane | ND | | 20 | 18.3 | 92 | 20 | 18.3 | 92 | 0 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | ND | | 20 | 19.0 | 95 | 20 | 18.9 | 95 | 1 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | ND | | 20 | 17.4 | 87 | 20 | 17.0 | 85 | 2 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | ND | | 20 | 18.6 | 93 | 20 | 18.6 | 93 | 0 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 20 | 20.2 | 101 | 20 | 19.6 | 98 | 3 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | 20 | 18.4 | 92 | 20 | 18.6 | 93 | 1 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 20 | 19.5 | 98 | 20 | 19.2 | 96 | 2 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | ND | | 20 | 19.5 | 98 | 20 | 19.4 | 97 | 1 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | ND | | 20 | 19.5 | 98 | 20 | 19.4 | 97 | 1 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | ND | | 20 | 18.5 | 93 | 20 | 18.5 | 93 | 0 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | 20 | 18.5 | 93 | 20 | 18.5 | 93 | 0 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 20 | 18.3 | 92 | 20 | 18.3 | 92 | 0 | 71-126/16 |
| 100-41-4 | Ethylbenzene | ND | | 20 | 19.0 | 95 | 20 | 18.9 | 95 | 1 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | ND | | 20 | 20.9 | 105 | 20 | 20.9 | 105 | 0 | 75-134/17 |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35768
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35768-5MS | V20545.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |
| C35768-5MSD | V20546.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |
| C35768-5 | V20533.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |



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

C35768-5, C35768-6, C35768-7, C35768-8, C35768-9, C35768-10, C35768-11, C35768-12

| CAS No. | Compound | C35768-5 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | | 80 | 71.5 | 89 | 80 | 72.0 | 90 | 1 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | ND | | 20 | 19.1 | 96 | 20 | 19.4 | 97 | 2 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | ND | | 20 | 19.7 | 99 | 20 | 19.7 | 99 | 0 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | ND | | 20 | 19.3 | 97 | 20 | 19.4 | 97 | 1 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | 80 | 67.4 | 84 | 80 | 67.3 | 84 | 0 | 71-142/21 |
| 74-83-9 | Methyl bromide | ND | | 20 | 18.2 | 91 | 20 | 17.7 | 89 | 3 | 68-132/18 |
| 74-87-3 | Methyl chloride | ND | | 20 | 19.5 | 98 | 20 | 19.5 | 98 | 0 | 39-150/28 |
| 74-95-3 | Methylene bromide | ND | | 20 | 19.1 | 96 | 20 | 18.8 | 94 | 2 | 77-127/16 |
| 75-09-2 | Methylene chloride | ND | | 20 | 17.5 | 88 | 20 | 17.4 | 87 | 1 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | ND | | 80 | 76.4 | 96 | 80 | 78.0 | 98 | 2 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | | 20 | 20.0 | 100 | 20 | 19.9 | 100 | 1 | 73-132/17 |
| 91-20-3 | Naphthalene | ND | | 20 | 18.6 | 93 | 20 | 18.8 | 94 | 1 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | ND | | 20 | 19.6 | 98 | 20 | 19.8 | 99 | 1 | 71-127/17 |
| 100-42-5 | Styrene | ND | | 20 | 18.9 | 95 | 20 | 19.1 | 96 | 1 | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | | 20 | 20.1 | 101 | 20 | 20.1 | 101 | 0 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | ND | | 100 | 133 | 133 | 100 | 148 | 148 | 11 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | 20 | 19.0 | 95 | 20 | 19.0 | 95 | 0 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 20 | 19.4 | 97 | 20 | 19.2 | 96 | 1 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 20 | 18.8 | 94 | 20 | 19.0 | 95 | 1 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 20 | 18.6 | 93 | 20 | 18.6 | 93 | 0 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | 20 | 18.1 | 91 | 20 | 18.1 | 91 | 0 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | 20 | 18.9 | 95 | 20 | 18.8 | 94 | 1 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 20 | 18.0 | 90 | 20 | 18.1 | 91 | 1 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | 20 | 19.0 | 95 | 20 | 19.0 | 95 | 0 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | 20 | 19.7 | 99 | 20 | 19.7 | 99 | 0 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | ND | | 20 | 19.2 | 96 | 20 | 19.2 | 96 | 0 | 69-127/20 |
| 108-88-3 | Toluene | ND | | 20 | 18.8 | 94 | 20 | 18.9 | 95 | 1 | 75-122/17 |
| 79-01-6 | Trichloroethylene | 1.5 | | 20 | 20.7 | 96 | 20 | 20.1 | 93 | 3 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | ND | | 20 | 20.0 | 100 | 20 | 19.7 | 99 | 2 | 65-136/23 |
| 75-01-4 | Vinyl chloride | ND | | 20 | 20.7 | 104 | 20 | 20.0 | 100 | 3 | 57-146/22 |
| 1330-20-7 | Xylene (total) | ND | | 60 | 58.4 | 97 | 60 | 58.3 | 97 | 0 | 77-125/17 |

| CAS No. | Surrogate Recoveries | MS | MSD | C35768-5 | Limits |
|---|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 100% | 100% | 99% | 70-130% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35768
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35768-5MS | V20545.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |
| C35768-5MSD | V20546.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |
| C35768-5 | V20533.D | 1 | 09/11/14 | TN | n/a | n/a | VV809 |

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

C35768-5, C35768-6, C35768-7, C35768-8, C35768-9, C35768-10, C35768-11, C35768-12

| CAS No. | Surrogate Recoveries | MS | MSD | C35768-5 | Limits |
|---|---|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 103% | 102% | 102% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 102% | 100% | 102% | 70-130% |

* = Outside of Control Limits.

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General Chemistry

# QC Data Summaries

Includes the following where applicable:

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

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35768
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 | GP6817/GN14498 | 3.0 | 0.0 | ug/l | 25 | 23.4 | 93.6 | 85-115% |
| Specific Conductivity | GN14501 | 1.0 | 0.0 | umhos/cm | | | | |

Associated Samples:
Batch GP6817: C35768-2, C35768-3, C35768-4, C35768-5, C35768-6, C35768-7, C35768-8, C35768-9, C35768-10, C35768-11, C35768-12
Batch GN14501: C35768-2, C35768-3, C35768-4, C35768-5, C35768-6, C35768-7, C35768-8, C35768-9, C35768-10, C35768-11, C35768-12
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35768
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

| Analyte | Batch ID | Units | Spike Amount | BSD Result | RPD | QC Limit |
|---|---|---|---|---|---|---|
| Perchlorate | GP6817/GN14498 | ug/l | 25 | 23.2 | 0.9 | |

Associated Samples:
Batch GP6817: C35768-2, C35768-3, C35768-4, C35768-5, C35768-6, C35768-7, C35768-8, C35768-9, C35768-10, C35768-11, C35768-12
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35768
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 | GN14501 | C35768-12 | umhos/cm | 349 | 345 | 1.2 | 0-10% |
| Specific Conductivity | GN14501 | C35768-2 | umhos/cm | 3.7 | 3.9 | 5.8 | 0-10% |

Associated Samples:
Batch GN14501: C35768-2, C35768-3, C35768-4, C35768-5, C35768-6, C35768-7, C35768-8, C35768-9, C35768-10, C35768-11, C35768-12
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35768
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 | GP6817/GN14498 | C35769-3 | ug/l | 19.7 | 25 | 42.2 | 90.0 | 80-120% |

Associated Samples:
Batch GP6817: C35768-2, C35768-3, C35768-4, C35768-5, C35768-6, C35768-7, C35768-8, C35768-9, C35768-10, C35768-11, C35768-12
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35768
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 | GP6817/GN14498 | C35769-3 | ug/l | 19.7 | 25 | 42.8 | 1.4 | 15% |

Associated Samples:
Batch GP6817: C35768-2, C35768-3, C35768-4, C35768-5, C35768-6, C35768-7, C35768-8, C35768-9, C35768-10, C35768-11, C35768-12
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
ACCUTEST
LABORATORIES

09/18/14

# Technical Report for

ERM-Irvine

BF Goodrich Superfund Sampling, Rialto

BF GOODRICH SUPERFUND SAMPLING

Accutest Job Number: C35769

Sampling Date: 08/28/14

Report to:

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

NELAP ACCREDITED TNI LABORATORY

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

James J. Rhudy
Lab Director

Client Service contact: Nutan Kabir 408-588-0200

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

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# Sample Summary

ERM-Irvine

**Job No:** C35769

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

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| C35769-1 | 08/28/14 | 00:00 | EV | 09/03/14 | AQ | Trip Blank Water | 28082014TB-2 |
| C35769-2 | 08/28/14 | 15:40 | EV | 09/03/14 | AQ | Field Blank Water | 28082014FB-2 |
| C35769-3 | 08/28/14 | 13:00 | EV | 09/03/14 | AQ | Water | EMW-03A-418-GW-28/08/2014 |
| C35769-4 | 08/28/14 | 13:25 | EV | 09/03/14 | AQ | Water | EMW-03C-640-GW-28/08/2014 |
| C35769-5 | 08/28/14 | 10:15 | EV | 09/03/14 | AQ | Water | EMW-04A-450-GW-28/08/2014 |
| C35769-6 | 08/28/14 | 12:00 | EV | 09/03/14 | AQ | Water | EPA-MW-9A-535-GW-28/08/2014 |
| C35769-7 | 08/28/14 | 09:00 | EV | 09/03/14 | AQ | Water | EPA-MW-9B-725-GW-28/08/2014 |
| C35769-8 | 08/28/14 | 08:25 | EV | 09/03/14 | AQ | Water | 1N/5W-34D3S-600-GW-28/08/2014 |
| C35769-9 | 08/28/14 | 07:45 | EV | 09/03/14 | AQ | Water | 1N/5W-34D2S-770-GW-28/08/2014 |
| C35769-10 | 08/28/14 | 09:30 | EV | 09/03/14 | AQ | Water | PW-2-475-GW-28/08/2014 |
| C35769-11 | 08/28/14 | 14:30 | EV | 09/03/14 | AQ | Water | PW-3-490-GW-28/08/2014 |
| C35769-12 | 08/28/14 | 14:55 | EV | 09/03/14 | AQ | Water | PW-4-490-GW-28/08/2014 |
| C35769-13 | 08/28/14 | 00:00 | EV | 09/03/14 | AQ | Water | 28082014D-1 |

# Sample Summary
(continued)

ERM-Irvine

**Job No:** C35769

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

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| C35769-14 | 08/28/14 | 00:00 | EV | 09/03/14 | AQ | Water | 28082014D-2 |

# Summary of Hits

**Job Number:** C35769
**Account:** ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto
**Collected:** 08/28/14

| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| **C35769-1** | **28082014TB-2** | | | | | |
| No hits reported in this sample. | | | | | | |
| **C35769-2** | **28082014FB-2** | | | | | |
| Acetone | | 6.5 J | 20 | 4.0 | ug/l | SW846 8260B |
| Specific Conductivity | | 2.1 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35769-3** | **EMW-03A-418-GW-28/08/2014** | | | | | |
| Acetone | | 19.1 J | 20 | 4.0 | ug/l | SW846 8260B |
| 1,2-Dichloroethane | | 1.1 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Toluene | | 21.2 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Trichloroethylene | | 0.40 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 19.7 | 3.0 | 0.31 | ug/l | EPA 314 |
| Specific Conductivity | | 424 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35769-4** | **EMW-03C-640-GW-28/08/2014** | | | | | |
| Acetone | | 52.2 | 20 | 4.0 | ug/l | SW846 8260B |
| 1,2-Dichloroethane | | 1.6 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Toluene | | 19.5 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Specific Conductivity | | 488 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35769-5** | **EMW-04A-450-GW-28/08/2014** | | | | | |
| Acetone | | 15.5 J | 20 | 4.0 | ug/l | SW846 8260B |
| Chloroform | | 0.23 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Carbon tetrachloride | | 0.74 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| 1,2-Dichloroethane | | 0.70 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Toluene | | 4.6 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Trichloroethylene | | 21.4 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 130 | 15 | 1.6 | ug/l | EPA 314 |
| Specific Conductivity | | 465 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35769-6** | **EPA-MW-9A-535-GW-28/08/2014** | | | | | |
| Acetone | | 24.3 | 20 | 4.0 | ug/l | SW846 8260B |
| Benzene | | 0.29 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| 1,2-Dichloroethane | | 4.8 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Ethylbenzene | | 0.62 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| 4-Methyl-2-pentanone | | 1.6 J | 10 | 1.0 | ug/l | SW846 8260B |
| Methyl ethyl ketone | | 5.1 J | 10 | 2.0 | ug/l | SW846 8260B |
| 1,2,4-Trimethylbenzene | | 1.9 J | 2.0 | 0.20 | ug/l | SW846 8260B |

# Summary of Hits

**Job Number:** C35769
**Account:** ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto
**Collected:** 08/28/14

| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| 1,3,5-Trimethylbenzene | | 0.41 J | 2.0 | 0.20 | ug/l | SW846 8260B |
| Toluene | | 192 | 5.0 | 1.0 | ug/l | SW846 8260B |
| Xylene (total) | | 7.2 | 2.0 | 0.46 | ug/l | SW846 8260B |
| Perchlorate | | 2.1 J | 3.0 | 0.31 | ug/l | EPA 314 |
| Specific Conductivity | | 241 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35769-7** | **EPA-MW-9B-725-GW-28/08/2014** | | | | | |
| Acetone | | 10.0 J | 20 | 4.0 | ug/l | SW846 8260B |
| 1,2-Dichloroethane | | 0.26 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| 1,2,4-Trimethylbenzene | | 0.39 J | 2.0 | 0.20 | ug/l | SW846 8260B |
| Toluene | | 0.55 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Xylene (total) | | 1.2 J | 2.0 | 0.46 | ug/l | SW846 8260B |
| Specific Conductivity | | 286 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35769-8** | **1N/5W-34D3S-600-GW-28/08/2014** | | | | | |
| Acetone | | 4.5 J | 20 | 4.0 | ug/l | SW846 8260B |
| 1,2-Dichloroethane | | 0.49 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Trichloroethylene | | 1.8 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 200 | 30 | 3.1 | ug/l | EPA 314 |
| Specific Conductivity | | 387 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35769-9** | **1N/5W-34D2S-770-GW-28/08/2014** | | | | | |
| Acetone | | 6.4 J | 20 | 4.0 | ug/l | SW846 8260B |
| 1,2-Dichloroethane | | 1.2 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Toluene | | 0.26 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Trichloroethylene | | 0.63 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 64.5 | 6.0 | 0.63 | ug/l | EPA 314 |
| Specific Conductivity | | 418 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35769-10** | **PW-2-475-GW-28/08/2014** | | | | | |
| Chloroform | | 0.61 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Methyl Tert Butyl Ether | | 0.25 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Trichloroethylene | | 111 | 2.0 | 0.40 | ug/l | SW846 8260B |
| Perchlorate | | 22.4 | 3.0 | 0.31 | ug/l | EPA 314 |
| Specific Conductivity | | 493 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35769-11** | **PW-3-490-GW-28/08/2014** | | | | | |
| Chloroform | | 1.5 | 1.0 | 0.20 | ug/l | SW846 8260B |
| cis-1,2-Dichloroethylene | | 1.6 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Trichloroethylene | | 11.5 | 1.0 | 0.20 | ug/l | SW846 8260B |

# Summary of Hits

**Job Number:** C35769
**Account:** ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto
**Collected:** 08/28/14

| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| Perchlorate | | 28.5 | 3.0 | 0.31 | ug/l | EPA 314 |
| Specific Conductivity | | 494 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35769-12** | **PW-4-490-GW-28/08/2014** | | | | | |
| Acetone | | 5.3 J | 20 | 4.0 | ug/l | SW846 8260B |
| Trichloroethylene | | 28.9 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 23.3 | 3.0 | 0.31 | ug/l | EPA 314 |
| Specific Conductivity | | 410 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35769-13** | **28082014D-1** | | | | | |
| Acetone | | 22.5 | 20 | 4.0 | ug/l | SW846 8260B |
| 1,2-Dichloroethane | | 1.2 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Toluene | | 21.3 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Trichloroethylene | | 0.44 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 20.7 | 3.0 | 0.31 | ug/l | EPA 314 |
| Specific Conductivity | | 421 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35769-14** | **28082014D-2** | | | | | |
| Acetone | | 6.7 J | 20 | 4.0 | ug/l | SW846 8260B |
| 1,2-Dichloroethane | | 0.58 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Trichloroethylene | | 2.7 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 196 | 30 | 3.1 | ug/l | EPA 314 |
| Specific Conductivity | | 388 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |

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## Sample Results

Report of Analysis

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 28082014TB-2 | | |
| **Lab Sample ID:** | C35769-1 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Trip Blank Water | **Date Received:** | 09/03/14 |
| **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 | W48140.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 28082014TB-2 | | |
| **Lab Sample ID:** | C35769-1 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Trip Blank Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 102% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 106% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 28082014TB-2 | | |
| **Lab Sample ID:** | C35769-1 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Trip Blank Water | **Date Received:** | 09/03/14 |
| **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 | 98% | | 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:** | 28082014FB-2 | | |
| **Lab Sample ID:** | C35769-2 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Field Blank Water | **Date Received:** | 09/03/14 |
| **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 | W48141.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |
| 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 | 6.5 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 28082014FB-2 | | |
| **Lab Sample ID:** | C35769-2 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Field Blank Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 101% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 106% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 28082014FB-2 | | |
| **Lab Sample ID:** | C35769-2 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Field Blank Water | **Date Received:** | 09/03/14 |
| **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:** | 28082014FB-2 | | |
| **Lab Sample ID:** | C35769-2 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Field Blank Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 0.31 U | 3.0 | 0.31 | ug/l | 1 | 09/16/14 17:03 | PH | EPA 314 |
| Specific Conductivity | 2.1 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 11:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-03A-418-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-3 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 | W48142.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |
| 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 | 19.1 | 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 | 1.1 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-03A-418-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-3 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 21.2 | 1.0 | 0.20 | ug/l | |
| 79-01-6 | Trichloroethylene | 0.40 | 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 | 106% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-03A-418-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-3 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 | 98% | | 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:** | EMW-03A-418-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-3 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 19.7 | 3.0 | 0.31 | ug/l | 1 | 09/16/14 17:20 | PH | EPA 314 |
| Specific Conductivity | 424 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 11:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-03C-640-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-4 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 | W48144.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |
| 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 | 52.2 | 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 | 1.6 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-03C-640-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-4 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 19.5 | 1.0 | 0.20 | ug/l | |
| 79-01-6 | Trichloroethylene | ND | 1.0 | 0.20 | ug/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 | 105% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 106% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-03C-640-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-4 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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:** | EMW-03C-640-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-4 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling,Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 0.31 U | 3.0 | 0.31 | ug/l | 1 | 09/16/14 17:37 | PH | EPA 314 |
| Specific Conductivity | 488 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 11:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-04A-450-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-5 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 | W48145.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |
| 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 | 15.5 | 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 | 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 | 0.74 | 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 | 0.70 | 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 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-04A-450-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-5 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 4.6 | 1.0 | 0.20 | ug/l | |
| 79-01-6 | Trichloroethylene | 21.4 | 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 | 107% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 107% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EMW-04A-450-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-5 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 | 99% | | 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:** | EMW-04A-450-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-5 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 130 | 15 | 1.6 | ug/l | 5 | 09/17/14 06:58 | PH | EPA 314 |
| Specific Conductivity | 465 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 11:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EPA-MW-9A-535-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-6 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 | W48146.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |
| Run #2 | W48178.D | 5 | 09/09/14 | BD | n/a | n/a | VW1732 |

| | Purge Volume |
|---|---|
| Run #1 | 10.0 ml |
| Run #2 | 10.0 ml |

**VOA 8260 List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 24.3 | 20 | 4.0 | ug/l | |
| 71-43-2 | Benzene | 0.29 | 1.0 | 0.20 | ug/l | J |
| 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 | 4.8 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EPA-MW-9A-535-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-6 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 | 0.62 | 1.0 | 0.20 | ug/l | J |
| 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 | 1.6 | 10 | 1.0 | ug/l | J |
| 74-83-9 | Methyl bromide | ND | 2.0 | 0.20 | ug/l | |
| 74-87-3 | Methyl chloride | ND | 1.0 | 0.30 | ug/l | |
| 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 | 5.1 | 10 | 2.0 | ug/l | J |
| 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 [a] | 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 | 1.9 | 2.0 | 0.20 | ug/l | J |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.41 | 2.0 | 0.20 | ug/l | J |
| 127-18-4 | Tetrachloroethylene | ND | 1.0 | 0.30 | ug/l | |
| 108-88-3 | Toluene | 192 [b] | 5.0 | 1.0 | ug/l | |
| 79-01-6 | Trichloroethylene | ND | 1.0 | 0.20 | ug/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) | 7.2 | 2.0 | 0.46 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 105% | 113% | 70-130% |
| 2037-26-5 | Toluene-D8 | 105% | 103% | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EPA-MW-9A-535-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-6 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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% | 101% | 70-130% |

(a) CCV outside of control limits (biased high); not detected in sample.
(b) Result is from Run# 2

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

J = Indicates 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-MW-9A-535-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-6 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 2.1 J | 3.0 | 0.31 | ug/l | 1 | 09/16/14 18:47 | PH | EPA 314 |
| Specific Conductivity | 241 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 11:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EPA-MW-9B-725-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-7 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 | W48177.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| 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 | 10.0 | 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 | 0.26 | 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 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EPA-MW-9B-725-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-7 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 0.39 | 2.0 | 0.20 | ug/l | J |
| 108-67-8 | 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 | 0.55 | 1.0 | 0.20 | ug/l | J |
| 79-01-6 | Trichloroethylene | ND | 1.0 | 0.20 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.20 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.20 | ug/l | |
| 1330-20-7 | Xylene (total) | 1.2 | 2.0 | 0.46 | ug/l | J |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 105% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 106% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | EPA-MW-9B-725-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-7 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 | 99% | | 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-MW-9B-725-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-7 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 0.31 U | 3.0 | 0.31 | ug/l | 1 | 09/16/14 19:04 | PH | EPA 314 |
| Specific Conductivity | 286 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 11:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 1N/5W-34D3S-600-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-8 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 | W48148.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |
| 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 | 4.5 | 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 | 0.49 | 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 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 1N/5W-34D3S-600-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-8 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 1.8 | 1.0 | 0.20 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.20 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.20 | ug/l | |
| 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 | 106% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 107% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 1N/5W-34D3S-600-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-8 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 | 99% | | 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:** | 1N/5W-34D3S-600-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-8 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 200 | 30 | 3.1 | ug/l | 10 | 09/17/14 12:14 | PH | EPA 314 |
| Specific Conductivity | 387 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 11:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 1N/5W-34D2S-770-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-9 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 | W48149.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |
| 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 | 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 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 1N/5W-34D2S-770-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-9 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 0.26 | 1.0 | 0.20 | ug/l | J |
| 79-01-6 | Trichloroethylene | 0.63 | 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 | 108% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 107% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 1N/5W-34D2S-770-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-9 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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:** | 1N/5W-34D2S-770-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-9 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 64.5 | 6.0 | 0.63 | ug/l | 2 | 09/17/14 12:31 | PH | EPA 314 |
| Specific Conductivity | 418 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 11:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-2-475-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-10 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 | W48150.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |
| Run #2 | W48179.D | 2 | 09/09/14 | BD | n/a | n/a | VW1732 |

| | Purge Volume |
|---|---|
| Run #1 | 10.0 ml |
| Run #2 | 10.0 ml |

**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 | 0.61 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-2-475-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-10 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 | 0.25 | 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 [a] | 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 | 111 [b] | 2.0 | 0.40 | ug/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 | 108% | 138% | 70-130% |
| 2037-26-5 | Toluene-D8 | 107% | 100% | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-2-475-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-10 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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% | 103% | 70-130% |

(a) CCV outside of control limits (biased high); not detected in sample.
(b) Result is from Run# 2

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

J = Indicates 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-28/08/2014 | | |
| **Lab Sample ID:** | C35769-10 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 22.4 | 3.0 | 0.31 | ug/l | 1 | 09/17/14 00:18 | PH | EPA 314 |
| Specific Conductivity | 493 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 11:30 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-3-490-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-11 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 | W48182.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| 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 | 1.5 | 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 | 1.6 | 1.0 | 0.20 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1.0 | 0.20 | ug/l | |
| 541-73-1 | m-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-3-490-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-11 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 11.5 | 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 | 109% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 107% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-3-490-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-11 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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:** | PW-3-490-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-11 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling,Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 28.5 | 3.0 | 0.31 | ug/l | 1 | 09/17/14 00:35 | PH | EPA 314 |
| Specific Conductivity | 494 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 12:00 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-4-490-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-12 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 | W48183.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-4-490-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-12 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 28.9 | 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 | 110% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 107% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-4-490-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-12 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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:** | PW-4-490-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35769-12 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling,Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 23.3 | 3.0 | 0.31 | ug/l | 1 | 09/17/14 00:53 | PH | EPA 314 |
| Specific Conductivity | 410 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 12:00 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 28082014D-1 | | |
| **Lab Sample ID:** | C35769-13 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 | W48184.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| 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 | 22.5 | 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 | 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 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 28082014D-1 | | |
| **Lab Sample ID:** | C35769-13 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 21.3 | 1.0 | 0.20 | ug/l | |
| 79-01-6 | Trichloroethylene | 0.44 | 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 | 109% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 107% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 28082014D-1 | | |
| **Lab Sample ID:** | C35769-13 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 | 98% | | 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:** | 28082014D-1 | | |
| **Lab Sample ID:** | C35769-13 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 20.7 | 3.0 | 0.31 | ug/l | 1 | 09/17/14 01:10 | PH | EPA 314 |
| Specific Conductivity | 421 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 12:00 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 28082014D-2 | | |
| **Lab Sample ID:** | C35769-14 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 | W48185.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| 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 | 6.7 | 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 | 0.58 | 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 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 28082014D-2 | | |
| **Lab Sample ID:** | C35769-14 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 109% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 107% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 28082014D-2 | | |
| **Lab Sample ID:** | C35769-14 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| **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:** | 28082014D-2 | | |
| **Lab Sample ID:** | C35769-14 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 196 | 30 | 3.1 | ug/l | 10 | 09/17/14 12:49 | PH | EPA 314 |
| Specific Conductivity | 388 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 12:00 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

Northern California ACCUTEST LABORATORIES



## Misc. Forms

# Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

# BLAINE
TECH SERVICES, INC.

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

C35769 COC 1 of 2

CHAIN OF CUSTODY

CLIENT: ERM

SITE: BF Goodrich Rialto Superfund Site

Project Code/Job #: 0179962.04.C

LAB - Accutest

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

CC:
Darren.Burgett@erm.com
Christopher.Berg@erm.com

CONDUCT ANALYSIS TO DETECT

| SAMPLE I.D. | DATE | TIME | MATRIX | CONTAINERS # | | VOC's 8260B | Perchlorate 314.0 | | | | | LAB # | ADD'L INFORMATION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28082014TB-2 | 8/28/14 | 0500 | W | 3 | | X | X | | | | | 1 | |
| 28082014FB-2 | | 1540 | | 4 | | X | X | | | | | 2 | |
| EMW-03A-418-GW-28/08/2014 | | 1300 | | | | X | X | | | | | 3 | |
| EMW-03C-640-GW-28/08/2014 | | 1325 | | | | X | X | | | | | 4 | |
| EMW-04A-450-GW-28/08/2014 | | 1015 | | | | X | X | | | | | 5 | |
| EPA-MW-9A-535-GW-28/08/2014 | | 1200 | | | | X | X | | | | | 6 | TEMPS 5.2 - 0.1 = 5.1°C |
| EPA-MW-9B-725-GW-28/08/2014 | | 0900 | | | | X | X | | | | | 7 | 3.4 - 0.1 = 3.3°C |
| IN/SW-34D35-600-GW-28/08/2014 | | 0825 | | | | X | X | | | | | 8 | |
| IN/GW-34D25-770-GW-28/08/2014 | | 0745 | | | | X | X | | | | | 9 | |
| PW-2-475-GW-28/08/2014 | | 0930 | | | | X | X | | | | | 10 | |

| | | | | | |
|---|---|---|---|---|---|
| SAMPLING COMPLETED: Emmanuel Vai | DATE: 8/28/14 | TIME: 1545 | SAMPLING PERFORMED BY: Emmanuel Vai | RESULTS NEEDED NO LATER THAN | As Contracted |
| RELEASED BY: [signature] | | TIME: 1730 | RECEIVED BY: MA | TIME: 17:30 | |
| RELEASED BY: MA | | TIME: | RECEIVED BY: [signature] | TIME: 9-2-14 1000 | |
| RELEASED BY: [signature] | | TIME: 9-2-14 1230 | RECEIVED BY: [signature] | TIME: 9/3/14 0921 | |
| SHIPPED VIA: FEDEX TRK# 8044 6487 8991 | | TIME SENT: | COOLER #: | IRVINE | |

2 COOLERS ~~TEMP 2 5.2-0.3=4.9°C / 3.4-0.3=3.1°C~~

4.1

4

**C35769: 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

LAB - Accutest C35769 COC 2 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

CC:
Darren.Burgett@erm.com
Christopher.Berg@erm.com

CONDUCT ANALYSIS TO DETECT

| SAMPLE I.D. | DATE | TIME | MATRIX | CONTAINERS # | VOC's 8260B | Perchlorate 314.0 | LAB # | ADD'L INFORMATION |
|---|---|---|---|---|---|---|---|---|
| PW-3-490-GW-28/08/2014 | 8/28/14 | 1430 | W | 4 | X | X | 11 | |
| PW-4-490-GW-28/08/2014 | ↓ | 1455 | ↓ | ↓ | X | X | 12 | |
| 28082014D-1 | ↓ | — | ↓ | ↓ | X | X | 13 | |
| 28082014D-2 | ↓ | — | ↓ | ↓ | X | X | 14 | |

| | | | | | |
|---|---|---|---|---|---|
| SAMPLING COMPLETED Emmanuel Vai | DATE 8/28/14 | TIME 1545 | SAMPLING PERFORMED BY Emmanuel Vai | RESULTS NEEDED NO LATER THAN | As Contracted |
| RELEASED BY [signature] | | | TIME 1730 | RECEIVED BY MA | TIME 1730 |
| RELEASED BY MA | | | TIME | RECEIVED BY [signature] | TIME 9-2-14 1000 |
| RELEASED BY [signature] | | | TIME 9-2-14 1230 | RECEIVED BY [signature] | TIME 9/3/14 0921 |
| SHIPPED VIA | | | TIME SENT | COOLER # | |

IRVINE

**C35769: Chain of Custody**
**Page 2 of 2**

# Accutest Laboratories Sample Receipt Summary

**Accutest Job Number:** C35769 **Client:** BLAINE TECH **Project:** BF GOODRICH RIALTO SUPERFUND SITE

**Date / Time Received:** 9/3/2014 **Delivery Method:** FedEx **Airbill #'s:** 804464878991

**Cooler Temps (Initial/Adjusted):** #1: (5.2/5.1); #2: (3.4/3.3);

| 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: | IR2; | | |
| 3. Cooler media: | Ice (Bag) | | |
| 4. No. Coolers: | 2 | | |

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

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

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

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

Comments

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**C35769: 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:** C35769
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1731-MB | W48139.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |



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

C35769-1, C35769-2, C35769-3, C35769-4, C35769-5, C35769-6, C35769-8, C35769-9, C35769-10

| 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:** C35769
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1731-MB | W48139.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |



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

C35769-1, C35769-2, C35769-3, C35769-4, C35769-5, C35769-6, C35769-8, C35769-9, C35769-10

| 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 | 101% | 70-130% |

# Method Blank Summary



**Job Number:** C35769
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1731-MB | W48139.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |

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

C35769-1, C35769-2, C35769-3, C35769-4, C35769-5, C35769-6, C35769-8, C35769-9, C35769-10

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 106% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | 70-130% |

# Method Blank Summary



**Job Number:** C35769
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1732-MB | W48170.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |



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

C35769-6, C35769-7, C35769-10, C35769-11, C35769-12, C35769-13, C35769-14

| 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:** C35769
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1732-MB | W48170.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |



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

C35769-6, C35769-7, C35769-10, C35769-11, C35769-12, C35769-13, C35769-14

| 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 | 102% | 70-130% |

# Method Blank Summary



**Job Number:** C35769
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1732-MB | W48170.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |

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

C35769-6, C35769-7, C35769-10, C35769-11, C35769-12, C35769-13, C35769-14

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 105% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 97% | 70-130% |

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35769
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1731-BS | W48136.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |
| VW1731-BSD | W48137.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |



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

C35769-1, C35769-2, C35769-3, C35769-4, C35769-5, C35769-6, C35769-8, C35769-9, C35769-10

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 80 | 97.8 | 122 | 94.6 | 118 | 3 | 38-159/24 |
| 71-43-2 | Benzene | 20 | 17.7 | 89 | 17.5 | 88 | 1 | 77-122/25 |
| 108-86-1 | Bromobenzene | 20 | 17.6 | 88 | 18.0 | 90 | 2 | 76-126/17 |
| 74-97-5 | Bromochloromethane | 20 | 19.8 | 99 | 19.8 | 99 | 0 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | 20 | 18.7 | 94 | 18.6 | 93 | 1 | 75-127/16 |
| 75-25-2 | Bromoform | 20 | 16.5 | 83 | 17.0 | 85 | 3 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | 20 | 18.0 | 90 | 17.7 | 89 | 2 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | 20 | 17.5 | 88 | 17.4 | 87 | 1 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | 20 | 17.1 | 86 | 16.9 | 85 | 1 | 73-127/18 |
| 108-90-7 | Chlorobenzene | 20 | 17.0 | 85 | 17.0 | 85 | 0 | 77-122/16 |
| 75-00-3 | Chloroethane | 20 | 23.3 | 117 | 22.5 | 113 | 3 | 69-133/18 |
| 67-66-3 | Chloroform | 20 | 20.8 | 104 | 20.4 | 102 | 2 | 74-126/17 |
| 95-49-8 | o-Chlorotoluene | 20 | 18.2 | 91 | 18.1 | 91 | 1 | 72-127/20 |
| 106-43-4 | p-Chlorotoluene | 20 | 18.3 | 92 | 18.1 | 91 | 1 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | 20 | 18.8 | 94 | 18.4 | 92 | 2 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | 20 | 21.1 | 106 | 20.5 | 103 | 3 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | 20 | 19.7 | 99 | 19.3 | 97 | 2 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | 20 | 17.9 | 90 | 17.5 | 88 | 2 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 20 | 19.2 | 96 | 19.3 | 97 | 1 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | 20 | 16.9 | 85 | 17.2 | 86 | 2 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | 20 | 17.8 | 89 | 17.7 | 89 | 1 | 71-131/17 |
| 78-87-5 | 1,2-Dichloropropane | 20 | 18.0 | 90 | 17.9 | 90 | 1 | 78-124/16 |
| 142-28-9 | 1,3-Dichloropropane | 20 | 17.0 | 85 | 17.2 | 86 | 1 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | 20 | 20.6 | 103 | 20.1 | 101 | 2 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | 20 | 22.1 | 111 | 21.2 | 106 | 4 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | 20 | 16.3 | 82 | 16.6 | 83 | 2 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | 20 | 23.9 | 120 | 22.4 | 112 | 6 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | 20 | 20.2 | 101 | 19.7 | 99 | 3 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | 20 | 18.3 | 92 | 18.4 | 92 | 1 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | 20 | 18.1 | 91 | 18.1 | 91 | 0 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | 20 | 17.8 | 89 | 17.9 | 90 | 1 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | 20 | 17.8 | 89 | 17.9 | 90 | 1 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | 20 | 20.0 | 100 | 19.6 | 98 | 2 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | 20 | 18.0 | 90 | 18.1 | 91 | 1 | 71-126/16 |
| 100-41-4 | Ethylbenzene | 20 | 17.2 | 86 | 17.0 | 85 | 1 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | 20 | 20.4 | 102 | 20.2 | 101 | 1 | 75-134/17 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35769
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1731-BS | W48136.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |
| VW1731-BSD | W48137.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |



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

C35769-1, C35769-2, C35769-3, C35769-4, C35769-5, C35769-6, C35769-8, C35769-9, C35769-10

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | 80 | 71.7 | 90 | 70.7 | 88 | 1 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | 20 | 17.0 | 85 | 16.7 | 84 | 2 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | 20 | 17.0 | 85 | 16.8 | 84 | 1 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | 20 | 17.4 | 87 | 17.3 | 87 | 1 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | 80 | 71.4 | 89 | 71.9 | 90 | 1 | 71-142/21 |
| 74-83-9 | Methyl bromide | 20 | 23.5 | 118 | 23.0 | 115 | 2 | 68-132/18 |
| 74-87-3 | Methyl chloride | 20 | 23.5 | 118 | 22.6 | 113 | 4 | 39-150/28 |
| 74-95-3 | Methylene bromide | 20 | 18.2 | 91 | 18.3 | 92 | 1 | 77-127/16 |
| 75-09-2 | Methylene chloride | 20 | 19.1 | 96 | 18.6 | 93 | 3 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | 80 | 87.3 | 109 | 86.6 | 108 | 1 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | 20 | 20.0 | 100 | 20.0 | 100 | 0 | 73-132/17 |
| 91-20-3 | Naphthalene | 20 | 17.5 | 88 | 17.4 | 87 | 1 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | 20 | 17.9 | 90 | 17.8 | 89 | 1 | 71-127/17 |
| 100-42-5 | Styrene | 20 | 16.5 | 83 | 16.6 | 83 | 1 | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | 20 | 19.8 | 99 | 19.6 | 98 | 1 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | 100 | 154 | 154* [a] | 146 | 146 | 5 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 20 | 17.9 | 90 | 17.8 | 89 | 1 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | 20 | 20.8 | 104 | 20.3 | 102 | 2 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20 | 17.9 | 90 | 18.3 | 92 | 2 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | 20 | 16.8 | 84 | 17.3 | 87 | 3 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 20 | 16.8 | 84 | 16.7 | 84 | 1 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | 20 | 16.5 | 83 | 16.4 | 82 | 1 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20 | 17.0 | 85 | 17.0 | 85 | 0 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 20 | 17.8 | 89 | 17.6 | 88 | 1 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 20 | 17.7 | 89 | 17.6 | 88 | 1 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | 20 | 16.6 | 83 | 16.4 | 82 | 1 | 69-127/20 |
| 108-88-3 | Toluene | 20 | 17.0 | 85 | 16.8 | 84 | 1 | 75-122/17 |
| 79-01-6 | Trichloroethylene | 20 | 18.0 | 90 | 17.8 | 89 | 1 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | 20 | 24.6 | 123 | 23.3 | 117 | 5 | 65-136/23 |
| 75-01-4 | Vinyl chloride | 20 | 24.1 | 121 | 21.4 | 107 | 12 | 57-146/22 |
| 1330-20-7 | Xylene (total) | 60 | 50.3 | 84 | 50.1 | 84 | 0 | 77-125/17 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 122% | 119% | 70-130% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35769
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1731-BS | W48136.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |
| VW1731-BSD | W48137.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |

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

C35769-1, C35769-2, C35769-3, C35769-4, C35769-5, C35769-6, C35769-8, C35769-9, C35769-10

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

(a) Outside laboratory control limits.

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35769
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1732-BS | W48167.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| VW1732-BSD | W48168.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |



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

C35769-6, C35769-7, C35769-10, C35769-11, C35769-12, C35769-13, C35769-14

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 80 | 101 | 126 | 96.9 | 121 | 4 | 38-159/24 |
| 71-43-2 | Benzene | 20 | 17.9 | 90 | 17.9 | 90 | 0 | 77-122/25 |
| 108-86-1 | Bromobenzene | 20 | 19.3 | 97 | 19.3 | 97 | 0 | 76-126/17 |
| 74-97-5 | Bromochloromethane | 20 | 21.8 | 109 | 21.8 | 109 | 0 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | 20 | 19.2 | 96 | 19.3 | 97 | 1 | 75-127/16 |
| 75-25-2 | Bromoform | 20 | 16.6 | 83 | 17.0 | 85 | 2 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | 20 | 16.4 | 82 | 16.1 | 81 | 2 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | 20 | 16.1 | 81 | 15.9 | 80 | 1 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | 20 | 16.7 | 84 | 16.6 | 83 | 1 | 73-127/18 |
| 108-90-7 | Chlorobenzene | 20 | 18.0 | 90 | 17.9 | 90 | 1 | 77-122/16 |
| 75-00-3 | Chloroethane | 20 | 21.9 | 110 | 21.8 | 109 | 0 | 69-133/18 |
| 67-66-3 | Chloroform | 20 | 22.2 | 111 | 22.1 | 111 | 0 | 74-126/17 |
| 95-49-8 | o-Chlorotoluene | 20 | 19.2 | 96 | 18.9 | 95 | 2 | 72-127/20 |
| 106-43-4 | p-Chlorotoluene | 20 | 19.1 | 96 | 19.0 | 95 | 1 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | 20 | 14.9 | 75 | 15.0 | 75 | 1 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | 20 | 22.0 | 110 | 21.9 | 110 | 0 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | 20 | 17.3 | 87 | 17.4 | 87 | 1 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | 20 | 15.2 | 76 | 15.2 | 76 | 0 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 20 | 18.4 | 92 | 18.3 | 92 | 1 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | 20 | 17.9 | 90 | 18.0 | 90 | 1 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | 20 | 18.2 | 91 | 18.4 | 92 | 1 | 71-131/17 |
| 78-87-5 | 1,2-Dichloropropane | 20 | 18.6 | 93 | 18.7 | 94 | 1 | 78-124/16 |
| 142-28-9 | 1,3-Dichloropropane | 20 | 17.9 | 90 | 18.0 | 90 | 1 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | 20 | 21.3 | 107 | 21.3 | 107 | 0 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | 20 | 20.6 | 103 | 20.2 | 101 | 2 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | 20 | 17.1 | 86 | 17.1 | 86 | 0 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | 20 | 16.9 | 85 | 16.0 | 80 | 5 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | 20 | 21.5 | 108 | 21.5 | 108 | 0 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | 20 | 19.0 | 95 | 19.1 | 96 | 1 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | 20 | 19.0 | 95 | 18.9 | 95 | 1 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | 20 | 18.5 | 93 | 18.5 | 93 | 0 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | 20 | 18.7 | 94 | 18.7 | 94 | 0 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | 20 | 20.4 | 102 | 20.3 | 102 | 0 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | 20 | 18.7 | 94 | 18.8 | 94 | 1 | 71-126/16 |
| 100-41-4 | Ethylbenzene | 20 | 17.2 | 86 | 17.0 | 85 | 1 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | 20 | 21.4 | 107 | 21.6 | 108 | 1 | 75-134/17 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35769
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1732-BS | W48167.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| VW1732-BSD | W48168.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |



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

C35769-6, C35769-7, C35769-10, C35769-11, C35769-12, C35769-13, C35769-14

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | 80 | 68.2 | 85 | 67.2 | 84 | 1 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | 20 | 14.4 | 72 | 14.0 | 70 | 3 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | 20 | 16.2 | 81 | 16.2 | 81 | 0 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | 20 | 16.7 | 84 | 16.4 | 82 | 2 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | 80 | 68.2 | 85 | 67.7 | 85 | 1 | 71-142/21 |
| 74-83-9 | Methyl bromide | 20 | 23.1 | 116 | 23.1 | 116 | 0 | 68-132/18 |
| 74-87-3 | Methyl chloride | 20 | 21.2 | 106 | 20.9 | 105 | 1 | 39-150/28 |
| 74-95-3 | Methylene bromide | 20 | 19.0 | 95 | 19.4 | 97 | 2 | 77-127/16 |
| 75-09-2 | Methylene chloride | 20 | 20.9 | 105 | 21.0 | 105 | 0 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | 80 | 90.6 | 113 | 89.9 | 112 | 1 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | 20 | 21.0 | 105 | 21.1 | 106 | 0 | 73-132/17 |
| 91-20-3 | Naphthalene | 20 | 16.0 | 80 | 16.0 | 80 | 0 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | 20 | 17.7 | 89 | 17.4 | 87 | 2 | 71-127/17 |
| 100-42-5 | Styrene | 20 | 17.2 | 86 | 17.1 | 86 | 1 | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | 20 | 20.7 | 104 | 20.9 | 105 | 1 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | 100 | 148 | 148 | 140 | 140 | 6 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 20 | 18.6 | 93 | 18.7 | 94 | 1 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | 20 | 19.0 | 95 | 18.9 | 95 | 1 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20 | 18.6 | 93 | 19.0 | 95 | 2 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | 20 | 18.0 | 90 | 18.0 | 90 | 0 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 20 | 14.8 | 74 | 15.0 | 75 | 1 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | 20 | 16.5 | 83 | 16.7 | 84 | 1 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20 | 15.8 | 79 | 15.8 | 79 | 0 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 20 | 18.3 | 92 | 18.1 | 91 | 1 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 20 | 18.0 | 90 | 17.9 | 90 | 1 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | 20 | 15.2 | 76 | 15.2 | 76 | 0 | 69-127/20 |
| 108-88-3 | Toluene | 20 | 17.4 | 87 | 17.3 | 87 | 1 | 75-122/17 |
| 79-01-6 | Trichloroethylene | 20 | 17.5 | 88 | 17.5 | 88 | 0 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | 20 | 19.4 | 97 | 19.1 | 96 | 2 | 65-136/23 |
| 75-01-4 | Vinyl chloride | 20 | 19.1 | 96 | 19.0 | 95 | 1 | 57-146/22 |
| 1330-20-7 | Xylene (total) | 60 | 51.2 | 85 | 50.9 | 85 | 1 | 77-125/17 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 125% | 125% | 70-130% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35769
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1732-BS | W48167.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| VW1732-BSD | W48168.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |

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

C35769-6, C35769-7, C35769-10, C35769-11, C35769-12, C35769-13, C35769-14

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

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35769
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35769-9MS | W48157.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |
| C35769-9MSD | W48158.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |
| C35769-9 | W48149.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |



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

C35769-1, C35769-2, C35769-3, C35769-4, C35769-5, C35769-6, C35769-8, C35769-9, C35769-10

| CAS No. | Compound | C35769-9 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 6.4 | J | 80 | 92.2 | 107 | 80 | 91.1 | 106 | 1 | 38-159/24 |
| 71-43-2 | Benzene | ND | | 20 | 18.2 | 91 | 20 | 18.0 | 90 | 1 | 77-122/16 |
| 108-86-1 | Bromobenzene | ND | | 20 | 18.5 | 93 | 20 | 18.8 | 94 | 2 | 76-126/17 |
| 74-97-5 | Bromochloromethane | ND | | 20 | 19.0 | 95 | 20 | 19.1 | 96 | 1 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | ND | | 20 | 19.1 | 96 | 20 | 18.9 | 95 | 1 | 75-127/16 |
| 75-25-2 | Bromoform | ND | | 20 | 16.2 | 81 | 20 | 16.3 | 82 | 1 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | ND | | 20 | 17.9 | 90 | 20 | 17.7 | 89 | 1 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | ND | | 20 | 17.8 | 89 | 20 | 17.7 | 89 | 1 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | ND | | 20 | 17.8 | 89 | 20 | 17.6 | 88 | 1 | 73-127/18 |
| 108-90-7 | Chlorobenzene | ND | | 20 | 17.6 | 88 | 20 | 17.4 | 87 | 1 | 77-122/16 |
| 75-00-3 | Chloroethane | ND | | 20 | 22.5 | 113 | 20 | 22.2 | 111 | 1 | 69-133/18 |
| 67-66-3 | Chloroform | ND | | 20 | 21.0 | 105 | 20 | 20.7 | 104 | 1 | 74-126/17 |
| 95-49-8 | o-Chlorotoluene | ND | | 20 | 19.6 | 98 | 20 | 19.1 | 96 | 3 | 72-127/20 |
| 106-43-4 | p-Chlorotoluene | ND | | 20 | 19.6 | 98 | 20 | 19.5 | 98 | 1 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | ND | | 20 | 20.0 | 100 | 20 | 19.7 | 99 | 2 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 20 | 21.6 | 108 | 20 | 21.2 | 106 | 2 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | ND | | 20 | 19.8 | 99 | 20 | 19.8 | 99 | 0 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | ND | | 20 | 19.1 | 96 | 20 | 18.7 | 94 | 2 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | 20 | 18.9 | 95 | 20 | 19.2 | 96 | 2 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | ND | | 20 | 17.3 | 87 | 20 | 17.3 | 87 | 0 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | 1.2 | | 20 | 19.6 | 92 | 20 | 19.4 | 91 | 1 | 71-131/17 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 20 | 18.7 | 94 | 20 | 18.3 | 92 | 2 | 78-124/16 |
| 142-28-9 | 1,3-Dichloropropane | ND | | 20 | 17.9 | 90 | 20 | 17.9 | 90 | 0 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | ND | | 20 | 21.1 | 106 | 20 | 20.8 | 104 | 1 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | ND | | 20 | 21.3 | 107 | 20 | 20.6 | 103 | 3 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | ND | | 20 | 16.7 | 84 | 20 | 16.7 | 84 | 0 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 20 | 20.9 | 105 | 20 | 20.0 | 100 | 4 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | 20 | 19.9 | 100 | 20 | 19.7 | 99 | 1 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 20 | 18.4 | 92 | 20 | 18.3 | 92 | 1 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | ND | | 20 | 18.5 | 93 | 20 | 18.3 | 92 | 1 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | ND | | 20 | 18.2 | 91 | 20 | 18.1 | 91 | 1 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | ND | | 20 | 18.3 | 92 | 20 | 18.2 | 91 | 1 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | 20 | 19.7 | 99 | 20 | 19.6 | 98 | 1 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 20 | 18.6 | 93 | 20 | 18.5 | 93 | 1 | 71-126/16 |
| 100-41-4 | Ethylbenzene | ND | | 20 | 18.1 | 91 | 20 | 17.7 | 89 | 2 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | ND | | 20 | 20.3 | 102 | 20 | 20.5 | 103 | 1 | 75-134/17 |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary

**Job Number:** C35769
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35769-9MS | W48157.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |
| C35769-9MSD | W48158.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |
| C35769-9 | W48149.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |

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

C35769-1, C35769-2, C35769-3, C35769-4, C35769-5, C35769-6, C35769-8, C35769-9, C35769-10

| CAS No. | Compound | C35769-9 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | | 80 | 76.0 | 95 | 80 | 75.6 | 95 | 1 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | ND | | 20 | 17.3 | 87 | 20 | 17.8 | 89 | 3 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | ND | | 20 | 17.7 | 89 | 20 | 17.2 | 86 | 3 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | ND | | 20 | 17.5 | 88 | 20 | 17.3 | 87 | 1 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | 80 | 74.0 | 93 | 80 | 73.3 | 92 | 1 | 71-142/21 |
| 74-83-9 | Methyl bromide | ND | | 20 | 22.1 | 111 | 20 | 22.3 | 112 | 1 | 68-132/18 |
| 74-87-3 | Methyl chloride | ND | | 20 | 23.4 | 117 | 20 | 22.4 | 112 | 4 | 39-150/28 |
| 74-95-3 | Methylene bromide | ND | | 20 | 18.2 | 91 | 20 | 18.5 | 93 | 2 | 77-127/16 |
| 75-09-2 | Methylene chloride | ND | | 20 | 18.4 | 92 | 20 | 18.6 | 93 | 1 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | ND | | 80 | 82.1 | 103 | 80 | 80.7 | 101 | 2 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | | 20 | 19.2 | 96 | 20 | 19.7 | 99 | 3 | 73-132/17 |
| 91-20-3 | Naphthalene | ND | | 20 | 15.8 | 79 | 20 | 16.1 | 81 | 2 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | ND | | 20 | 19.2 | 96 | 20 | 18.9 | 95 | 2 | 71-127/17 |
| 100-42-5 | Styrene | ND | | 20 | 17.1 | 86 | 20 | 16.9 | 85 | 1 | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | | 20 | 19.4 | 97 | 20 | 19.7 | 99 | 2 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | ND | | 100 | 138 | 138 | 100 | 130 | 130 | 6 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | 20 | 18.3 | 92 | 20 | 18.1 | 91 | 1 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 20 | 21.4 | 107 | 20 | 21.0 | 105 | 2 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 20 | 19.1 | 96 | 20 | 19.3 | 97 | 1 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 20 | 17.6 | 88 | 20 | 17.8 | 89 | 1 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | 20 | 13.2 | 66* [a] | 20 | 13.5 | 68* [a] | 2 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | 20 | 16.5 | 83 | 20 | 16.4 | 82 | 1 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 20 | 14.0 | 70 | 20 | 14.1 | 71 | 1 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | 20 | 18.5 | 93 | 20 | 18.2 | 91 | 2 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | 20 | 18.5 | 93 | 20 | 18.3 | 92 | 1 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | ND | | 20 | 17.3 | 87 | 20 | 17.1 | 86 | 1 | 69-127/20 |
| 108-88-3 | Toluene | 0.26 | J | 20 | 18.2 | 90 | 20 | 17.9 | 88 | 2 | 75-122/17 |
| 79-01-6 | Trichloroethylene | 0.63 | J | 20 | 19.5 | 94 | 20 | 19.2 | 93 | 2 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | ND | | 20 | 22.6 | 113 | 20 | 22.2 | 111 | 2 | 65-136/23 |
| 75-01-4 | Vinyl chloride | ND | | 20 | 21.4 | 107 | 20 | 21.2 | 106 | 1 | 57-146/22 |
| 1330-20-7 | Xylene (total) | ND | | 60 | 52.2 | 87 | 60 | 51.4 | 86 | 2 | 77-125/17 |

| CAS No. | Surrogate Recoveries | MS | MSD | C35769-9 | Limits |
|---|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 117% | 116% | 108% | 70-130% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35769
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35769-9MS | W48157.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |
| C35769-9MSD | W48158.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |
| C35769-9 | W48149.D | 1 | 09/08/14 | BD | n/a | n/a | VW1731 |

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

C35769-1, C35769-2, C35769-3, C35769-4, C35769-5, C35769-6, C35769-8, C35769-9, C35769-10

| CAS No. | Surrogate Recoveries | MS | MSD | C35769-9 | Limits |
|---|---|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 105% | 103% | 107% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 102% | 101% | 100% | 70-130% |

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35769
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35770-3MS | W48186.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| C35770-3MSD | W48187.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| C35770-3 | W48173.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |



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

C35769-6, C35769-7, C35769-10, C35769-11, C35769-12, C35769-13, C35769-14

| CAS No. | Compound | C35770-3 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 80 | 93.3 | 117 | 80 | 92.6 | 116 | 1 | 38-159/24 |
| 71-43-2 | Benzene | ND | | 20 | 19.4 | 97 | 20 | 19.1 | 96 | 2 | 77-122/16 |
| 108-86-1 | Bromobenzene | ND | | 20 | 19.6 | 98 | 20 | 19.4 | 97 | 1 | 76-126/17 |
| 74-97-5 | Bromochloromethane | ND | | 20 | 20.3 | 102 | 20 | 20.4 | 102 | 0 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | ND | | 20 | 20.5 | 103 | 20 | 20.3 | 102 | 1 | 75-127/16 |
| 75-25-2 | Bromoform | ND | | 20 | 17.4 | 87 | 20 | 17.6 | 88 | 1 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | ND | | 20 | 16.9 | 85 | 20 | 16.9 | 85 | 0 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | ND | | 20 | 17.2 | 86 | 20 | 17.0 | 85 | 1 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | ND | | 20 | 17.5 | 88 | 20 | 17.2 | 86 | 2 | 73-127/18 |
| 108-90-7 | Chlorobenzene | ND | | 20 | 18.7 | 94 | 20 | 18.6 | 93 | 1 | 77-122/16 |
| 75-00-3 | Chloroethane | ND | | 20 | 22.2 | 111 | 20 | 22.0 | 110 | 1 | 69-133/18 |
| 67-66-3 | Chloroform | ND | | 20 | 22.4 | 112 | 20 | 22.1 | 111 | 1 | 74-126/17 |
| 95-49-8 | o-Chlorotoluene | ND | | 20 | 20.0 | 100 | 20 | 19.7 | 99 | 2 | 72-127/20 |
| 106-43-4 | p-Chlorotoluene | ND | | 20 | 20.5 | 103 | 20 | 20.0 | 100 | 2 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | ND | | 20 | 20.6 | 103 | 20 | 20.3 | 102 | 1 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 20 | 23.0 | 115 | 20 | 22.4 | 112 | 3 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | ND | | 20 | 20.3 | 102 | 20 | 20.1 | 101 | 1 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | ND | | 20 | 19.7 | 99 | 20 | 19.3 | 97 | 2 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | 20 | 19.8 | 99 | 20 | 20.2 | 101 | 2 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | ND | | 20 | 18.5 | 93 | 20 | 18.9 | 95 | 2 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 20 | 20.1 | 101 | 20 | 19.6 | 98 | 3 | 71-131/17 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 20 | 20.1 | 101 | 20 | 19.8 | 99 | 2 | 78-124/16 |
| 142-28-9 | 1,3-Dichloropropane | ND | | 20 | 19.3 | 97 | 20 | 19.3 | 97 | 0 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | ND | | 20 | 22.1 | 111 | 20 | 21.8 | 109 | 1 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | ND | | 20 | 20.7 | 104 | 20 | 20.1 | 101 | 3 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | ND | | 20 | 17.8 | 89 | 20 | 17.8 | 89 | 0 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 20 | 18.8 | 94 | 20 | 17.1 | 86 | 9 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | 20 | 21.1 | 106 | 20 | 21.0 | 105 | 0 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 20 | 19.5 | 98 | 20 | 19.3 | 97 | 1 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | ND | | 20 | 19.2 | 96 | 20 | 19.2 | 96 | 0 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | ND | | 20 | 19.2 | 96 | 20 | 19.0 | 95 | 1 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | ND | | 20 | 19.0 | 95 | 20 | 18.8 | 94 | 1 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | 20 | 21.0 | 105 | 20 | 20.6 | 103 | 2 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 20 | 19.8 | 99 | 20 | 19.7 | 99 | 1 | 71-126/16 |
| 100-41-4 | Ethylbenzene | ND | | 20 | 19.0 | 95 | 20 | 18.7 | 94 | 2 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | ND | | 20 | 21.6 | 108 | 20 | 21.5 | 108 | 0 | 75-134/17 |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary

**Job Number:** C35769
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35770-3MS | W48186.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| C35770-3MSD | W48187.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| C35770-3 | W48173.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |

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

C35769-6, C35769-7, C35769-10, C35769-11, C35769-12, C35769-13, C35769-14

| CAS No. | Compound | C35770-3 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | | 80 | 78.0 | 98 | 80 | 77.1 | 96 | 1 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | ND | | 20 | 13.6 | 68* [a] | 20 | 14.1 | 71 | 4 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | ND | | 20 | 18.0 | 90 | 20 | 17.9 | 90 | 1 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | ND | | 20 | 17.1 | 86 | 20 | 17.0 | 85 | 1 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | 80 | 76.4 | 96 | 80 | 76.1 | 95 | 0 | 71-142/21 |
| 74-83-9 | Methyl bromide | ND | | 20 | 21.5 | 108 | 20 | 21.8 | 109 | 1 | 68-132/18 |
| 74-87-3 | Methyl chloride | ND | | 20 | 22.1 | 111 | 20 | 22.0 | 110 | 0 | 39-150/28 |
| 74-95-3 | Methylene bromide | ND | | 20 | 20.0 | 100 | 20 | 19.8 | 99 | 1 | 77-127/16 |
| 75-09-2 | Methylene chloride | ND | | 20 | 19.7 | 99 | 20 | 19.8 | 99 | 1 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | ND | | 80 | 86.6 | 108 | 80 | 83.8 | 105 | 3 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | | 20 | 20.6 | 103 | 20 | 20.9 | 105 | 1 | 73-132/17 |
| 91-20-3 | Naphthalene | ND | | 20 | 15.9 | 80 | 20 | 16.8 | 84 | 6 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | ND | | 20 | 19.2 | 96 | 20 | 18.8 | 94 | 2 | 71-127/17 |
| 100-42-5 | Styrene | ND | | 20 | 16.6 | 83 | 20 | 16.5 | 83 | 1 | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | | 20 | 20.5 | 103 | 20 | 20.6 | 103 | 0 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | ND | | 100 | 138 | 138 | 100 | 151 | 151* [a] | 9 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | 20 | 19.3 | 97 | 20 | 19.4 | 97 | 1 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 20 | 22.3 | 112 | 20 | 21.9 | 110 | 2 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 20 | 20.0 | 100 | 20 | 20.0 | 100 | 0 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 20 | 19.0 | 95 | 20 | 18.9 | 95 | 1 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | 20 | 13.6 | 68* [a] | 20 | 14.7 | 74 | 8 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | 20 | 17.5 | 88 | 20 | 17.6 | 88 | 1 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 20 | 14.4 | 72 | 20 | 15.4 | 77 | 7 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | 20 | 18.7 | 94 | 20 | 18.6 | 93 | 1 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | 20 | 18.6 | 93 | 20 | 18.4 | 92 | 1 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | ND | | 20 | 17.7 | 89 | 20 | 17.7 | 89 | 0 | 69-127/20 |
| 108-88-3 | Toluene | ND | | 20 | 18.9 | 95 | 20 | 18.7 | 94 | 1 | 75-122/17 |
| 79-01-6 | Trichloroethylene | 21.9 | | 20 | 42.7 | 104 | 20 | 41.9 | 100 | 2 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | ND | | 20 | 21.9 | 110 | 20 | 21.0 | 105 | 4 | 65-136/23 |
| 75-01-4 | Vinyl chloride | ND | | 20 | 20.0 | 100 | 20 | 20.1 | 101 | 0 | 57-146/22 |
| 1330-20-7 | Xylene (total) | ND | | 60 | 54.5 | 91 | 60 | 54.5 | 91 | 0 | 77-125/17 |

| CAS No. | Surrogate Recoveries | MS | MSD | C35770-3 | Limits |
|---|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 119% | 116% | 103% | 70-130% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35769
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35770-3MS | W48186.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| C35770-3MSD | W48187.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| C35770-3 | W48173.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |

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

C35769-6, C35769-7, C35769-10, C35769-11, C35769-12, C35769-13, C35769-14

| CAS No. | Surrogate Recoveries | MS | MSD | C35770-3 | Limits |
|---|---|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 103% | 103% | 106% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 104% | 103% | 100% | 70-130% |

(a) Outside laboratory control limits.

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES



General Chemistry

# QC Data Summaries

Includes the following where applicable:

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

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35769
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 | GP6817/GN14498 | 3.0 | 0.0 | ug/l | 25 | 23.4 | 93.6 | 85-115% |
| Perchlorate | GP6822/GN14506 | 3.0 | 0.0 | ug/l | 25 | 22.5 | 90.0 | 85-115% |
| Perchlorate | GP6823/GN14507 | 3.0 | 0.0 | ug/l | 25 | 24.7 | 98.8 | 85-115% |
| Specific Conductivity | GN14501 | 1.0 | 0.0 | umhos/cm | | | | |
| Specific Conductivity | GN14502 | 1.0 | 0.0 | umhos/cm | | | | |

Associated Samples:
Batch GP6817: C35769-2, C35769-3, C35769-4, C35769-6, C35769-7
Batch GP6822: C35769-5, C35769-10, C35769-11, C35769-12, C35769-13
Batch GP6823: C35769-8, C35769-9, C35769-14
Batch GN14501: C35769-2, C35769-3, C35769-4, C35769-5, C35769-6, C35769-7, C35769-8, C35769-9, C35769-10
Batch GN14502: C35769-11, C35769-12, C35769-13, C35769-14
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35769
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

| Analyte | Batch ID | Units | Spike Amount | BSD Result | RPD | QC Limit |
|---|---|---|---|---|---|---|
| Perchlorate | GP6817/GN14498 | ug/l | 25 | 23.2 | 0.9 | |
| Perchlorate | GP6822/GN14506 | ug/l | 25 | 23.2 | 3.1 | |
| Perchlorate | GP6823/GN14507 | ug/l | 25 | 24.2 | 2.0 | |

Associated Samples:
Batch GP6817: C35769-2, C35769-3, C35769-4, C35769-6, C35769-7
Batch GP6822: C35769-5, C35769-10, C35769-11, C35769-12, C35769-13
Batch GP6823: C35769-8, C35769-9, C35769-14
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35769
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 | GN14501 | C35768-2 | umhos/cm | 3.7 | 3.9 | 5.8 | 0-10% |
| Specific Conductivity | GN14502 | C35770-3 | umhos/cm | 390 | 394 | 1.0 | 0-10% |

Associated Samples:
Batch GN14501: C35769-2, C35769-3, C35769-4, C35769-5, C35769-6, C35769-7, C35769-8, C35769-9, C35769-10
Batch GN14502: C35769-11, C35769-12, C35769-13, C35769-14
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35769
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 | GP6817/GN14498 | C35769-3 | ug/l | 19.7 | 25 | 42.2 | 90.0 | 80-120% |
| Perchlorate | GP6823/GN14507 | C35770-3 | ug/l | 666 | 1250 | 1850 | 94.7 | 80-120% |

Associated Samples:
Batch GP6817: C35769-2, C35769-3, C35769-4, C35769-6, C35769-7
Batch GP6822: C35769-5, C35769-10, C35769-11, C35769-12, C35769-13
Batch GP6823: C35769-8, C35769-9, C35769-14
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35769
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 | GP6817/GN14498 | C35769-3 | ug/l | 19.7 | 25 | 42.8 | 1.4 | 15% |
| Perchlorate | GP6823/GN14507 | C35770-3 | ug/l | 666 | 1250 | 1820 | 1.6 | 15% |

Associated Samples:
Batch GP6817: C35769-2, C35769-3, C35769-4, C35769-6, C35769-7
Batch GP6822: C35769-5, C35769-10, C35769-11, C35769-12, C35769-13
Batch GP6823: C35769-8, C35769-9, C35769-14
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
ACCUTEST
LABORATORIES

09/23/14

# Technical Report for

ERM-Irvine

BF Goodrich Superfund Sampling, Rialto

0179962.04.C

Accutest Job Number: C35770

Sampling Date: 08/28/14

Report to:

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Total number of pages in report: **96**

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

James J. Rhudy
Lab Director

Client Service contact: Nutan Kabir 408-588-0200

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

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Accutest Laboratories

# Sample Summary

ERM-Irvine

**Job No:** C35770

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

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| C35770-1 | 08/28/14 | 00:00 | TW | 09/03/14 | AQ | Trip Blank Water | 28082014TB-1 |
| C35770-2 | 08/28/14 | 08:50 | TW | 09/03/14 | AQ | Ground Water | PW-5E-GW-28/08/2014 |
| C35770-3 | 08/28/14 | 08:30 | TW | 09/03/14 | AQ | Ground Water | PW-5D-GW-28/08/2014 |
| C35770-3D | 08/28/14 | 08:30 | TW | 09/03/14 | AQ | Water Dup/MSD | PW-5D-GW-28/08/2014 |
| C35770-3S | 08/28/14 | 08:30 | TW | 09/03/14 | AQ | Water Matrix Spike | PW-5D-GW-28/08/2014 |
| C35770-4 | 08/28/14 | 08:50 | TW | 09/03/14 | AQ | Equipment Blank | 28082014EB |
| C35770-5 | 08/28/14 | 09:05 | TW | 09/03/14 | AQ | Ground Water | PW-5C-GW-28/08/2014 |
| C35770-6 | 08/28/14 | 09:30 | TW | 09/03/14 | AQ | Ground Water | PW-5B-GW-28/08/2014 |
| C35770-7 | 08/28/14 | 09:55 | TW | 09/03/14 | AQ | Ground Water | PW-5A-GW-28/08/2014 |
| C35770-8 | 08/28/14 | 11:05 | TW | 09/03/14 | AQ | Ground Water | PW-8E-GW-28/08/2014 |
| C35770-9 | 08/28/14 | 11:45 | TW | 09/03/14 | AQ | Ground Water | PW-8D-GW-28/08/2014 |
| C35770-10 | 08/28/14 | 00:00 | TW | 09/03/14 | AQ | Ground Water | 28082014D-1-PW-8D |
| C35770-11 | 08/28/14 | 12:20 | TW | 09/03/14 | AQ | Ground Water | PW-8C-GW-28/08/2014 |

Accutest Laboratories

# Sample Summary
(continued)

ERM-Irvine

**Job No:** C35770

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

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| C35770-12 | 08/28/14 | 13:10 | TW | 09/03/14 | AQ | Ground Water | PW-8B-GW-28/08/2014 |
| C35770-13 | 08/28/14 | 13:40 | TW | 09/03/14 | AQ | Ground Water | PW-8A-GW-28/08/2014 |

# Summary of Hits

**Job Number:** C35770
**Account:** ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto
**Collected:** 08/28/14

| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| **C35770-1** | **28082014TB-1** | | | | | |
| No hits reported in this sample. | | | | | | |
| **C35770-2** | **PW-5E-GW-28/08/2014** | | | | | |
| Trichloroethylene | | 6.9 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 299 | 30 | 3.1 | ug/l | EPA 314 |
| Specific Conductivity | | 336 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35770-3** | **PW-5D-GW-28/08/2014** | | | | | |
| Trichloroethylene | | 21.9 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 666 | 150 | 16 | ug/l | EPA 314 |
| Specific Conductivity | | 390 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35770-4** | **28082014EB** | | | | | |
| Specific Conductivity | | 3.9 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35770-5** | **PW-5C-GW-28/08/2014** | | | | | |
| Trichloroethylene | | 19.8 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 153 | 15 | 1.6 | ug/l | EPA 314 |
| Specific Conductivity | | 449 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35770-6** | **PW-5B-GW-28/08/2014** | | | | | |
| Chloroform | | 0.34 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Trichloroethylene | | 36.3 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 136 | 15 | 1.6 | ug/l | EPA 314 |
| Specific Conductivity | | 459 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35770-7** | **PW-5A-GW-28/08/2014** | | | | | |
| Trichloroethylene | | 2.7 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 101 | 15 | 1.6 | ug/l | EPA 314 |
| Specific Conductivity | | 448 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35770-8** | **PW-8E-GW-28/08/2014** | | | | | |
| Perchlorate | | 0.81 J | 3.0 | 0.31 | ug/l | EPA 314 |
| Specific Conductivity | | 343 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |

# Summary of Hits

**Job Number:** C35770
**Account:** ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto
**Collected:** 08/28/14

| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| **C35770-9** | **PW-8D-GW-28/08/2014** | | | | | |
| Specific Conductivity | | 327 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35770-10** | **28082014D-1-PW-8D** | | | | | |
| Specific Conductivity | | 327 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35770-11** | **PW-8C-GW-28/08/2014** | | | | | |
| Trichloroethylene [a] | | 0.54 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 44.0 | 3.0 | 0.31 | ug/l | EPA 314 |
| Specific Conductivity | | 374 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35770-12** | **PW-8B-GW-28/08/2014** | | | | | |
| Chloroform | | 0.38 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Trichloroethylene | | 34.5 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 88.0 | 15 | 1.6 | ug/l | EPA 314 |
| Specific Conductivity | | 423 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |
| **C35770-13** | **PW-8A-GW-28/08/2014** | | | | | |
| Chloroform | | 0.32 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Carbon tetrachloride | | 0.25 J | 1.0 | 0.20 | ug/l | SW846 8260B |
| Trichloroethylene | | 22.6 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Perchlorate | | 150 | 15 | 1.6 | ug/l | EPA 314 |
| Specific Conductivity | | 446 | 1.0 | 1.0 | umhos/cm | SM2510 B-97 |

(a) Sample analyzed past hold-time due to need for reanalysis; originally analyzed within hold-time.

Northern California ACCUTEST LABORATORIES



## Sample Results

Report of Analysis

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 28082014TB-1 | | |
| **Lab Sample ID:** | C35770-1 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Trip Blank Water | **Date Received:** | 09/03/14 |
| **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 | W48171.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 28082014TB-1 | | |
| **Lab Sample ID:** | C35770-1 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Trip Blank Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 102% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 105% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 28082014TB-1 | | |
| **Lab Sample ID:** | C35770-1 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Trip Blank Water | **Date Received:** | 09/03/14 |
| **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 | 99% | | 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-28/08/2014 | | |
| **Lab Sample ID:** | C35770-2 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | W48172.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-5E-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-2 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 6.9 | 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 | 103% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 104% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-5E-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-2 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | 98% | | 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-28/08/2014 | | |
| **Lab Sample ID:** | C35770-2 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 299 | 30 | 3.1 | ug/l | 10 | 09/17/14 13:06 | PH | EPA 314 |
| Specific Conductivity | 336 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 12:00 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-5D-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-3 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | W48173.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-5D-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-3 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 21.9 | 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 | 103% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 106% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-5D-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-3 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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:** | PW-5D-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-3 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 666 | 150 | 16 | ug/l | 50 | 09/17/14 13:58 | PH | EPA 314 |
| Specific Conductivity | 390 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 12:00 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 28082014EB | | |
| **Lab Sample ID:** | C35770-4 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Equipment Blank | **Date Received:** | 09/03/14 |
| **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 | W48174.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 28082014EB | | |
| **Lab Sample ID:** | C35770-4 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Equipment Blank | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 106% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 105% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 28082014EB | | |
| **Lab Sample ID:** | C35770-4 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Equipment Blank | **Date Received:** | 09/03/14 |
| **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:** | 28082014EB | | |
| **Lab Sample ID:** | C35770-4 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Equipment Blank | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 0.31 U | 3.0 | 0.31 | ug/l | 1 | 09/17/14 03:29 | PH | EPA 314 |
| Specific Conductivity | 3.9 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 12:00 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-5C-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-5 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | W48175.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-5C-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-5 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 19.8 | 1.0 | 0.20 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.20 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.20 | ug/l | |
| 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 | 107% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-5C-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-5 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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:** | PW-5C-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-5 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 153 | 15 | 1.6 | ug/l | 5 | 09/17/14 14:51 | PH | EPA 314 |
| Specific Conductivity | 449 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 12:00 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-5B-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-6 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | W48176.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| 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 | 0.34 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-5B-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-6 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 36.3 | 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 | 104% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 106% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-5B-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-6 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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:** | PW-5B-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-6 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 136 | 15 | 1.6 | ug/l | 5 | 09/17/14 15:08 | PH | EPA 314 |
| Specific Conductivity | 459 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 12:00 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-5A-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-7 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | W48199.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-5A-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-7 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 103% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 106% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-5A-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-7 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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:** | PW-5A-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-7 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 101 | 15 | 1.6 | ug/l | 5 | 09/17/14 15:25 | PH | EPA 314 |
| Specific Conductivity | 448 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 12:00 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-8E-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-8 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | W48200.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-8E-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-8 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 104% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 107% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-8E-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-8 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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:** | PW-8E-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-8 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 0.81 J | 3.0 | 0.31 | ug/l | 1 | 09/17/14 04:39 | PH | EPA 314 |
| Specific Conductivity | 343 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 12:00 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-8D-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-9 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 [a] | V20596.D | 1 | 09/13/14 | BD | n/a | n/a | VV812 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-8D-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-9 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | 100% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 106% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-8D-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-9 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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) Sample analyzed past hold-time due to need for reanalysis; originally analyzed within hold-time.

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

J = Indicates 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-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-9 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 0.31 U | 3.0 | 0.31 | ug/l | 1 | 09/17/14 04:56 | PH | EPA 314 |
| Specific Conductivity | 327 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 12:00 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 28082014D-1-PW-8D | | |
| **Lab Sample ID:** | C35770-10 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | W48202.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 28082014D-1-PW-8D | | |
| **Lab Sample ID:** | C35770-10 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 104% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 104% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 28082014D-1-PW-8D | | |
| **Lab Sample ID:** | C35770-10 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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:** | 28082014D-1-PW-8D | | |
| **Lab Sample ID:** | C35770-10 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 0.31 U | 3.0 | 0.31 | ug/l | 1 | 09/17/14 05:49 | PH | EPA 314 |
| Specific Conductivity | 327 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 12:00 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-8C-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-11 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 [a] | V20597.D | 1 | 09/13/14 | BD | n/a | n/a | VV812 |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-8C-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-11 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | 0.54 | 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 | 99% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 105% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-8C-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-11 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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) Sample analyzed past hold-time due to need for reanalysis; originally analyzed within hold-time.

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

J = Indicates 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-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-11 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 44.0 | 3.0 | 0.31 | ug/l | 1 | 09/17/14 06:06 | PH | EPA 314 |
| Specific Conductivity | 374 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 12:00 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-8B-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-12 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | W48204.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| 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 | 0.38 | 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-8B-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-12 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 34.5 | 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 | 105% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 104% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-8B-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-12 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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-8B-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-12 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 88.0 | 15 | 1.6 | ug/l | 5 | 09/17/14 15:43 | PH | EPA 314 |
| Specific Conductivity | 423 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 12:00 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-8A-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-13 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | W48205.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| 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 | 0.25 | 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 | ND | 1.0 | 0.20 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 1.0 | 0.20 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1.0 | 0.20 | ug/l | |
| 541-73-1 | m-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 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 J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-8A-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-13 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 [a] | 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 | 22.6 | 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 | 103% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 106% | | 70-130% |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PW-8A-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-13 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| **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 | 98% | | 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-8A-GW-28/08/2014 | | |
| **Lab Sample ID:** | C35770-13 | **Date Sampled:** | 08/28/14 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 09/03/14 |
| | | **Percent Solids:** | n/a |
| **Project:** | BF Goodrich Superfund Sampling, Rialto | | |

**General Chemistry**

| Analyte | Result | RL | MDL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|---|
| **Perchlorate by IC** | | | | | | | | |
| Perchlorate | 150 | 15 | 1.6 | ug/l | 5 | 09/17/14 16:00 | PH | EPA 314 |
| Specific Conductivity | 446 | 1.0 | 1.0 | umhos/cm | 1 | 09/14/14 12:00 | PH | SM2510 B-97 |

RL = Reporting Limit
MDL = Method Detection Limit

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

Northern California ACCUTEST LABORATORIES



# Misc. Forms

## Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

**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 C35770 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

CC:
Darren.Burgett@erm.com
Christopher.Berg@erm.com

CHAIN OF CUSTODY

CLIENT: ERM

SITE: BF Goodrich Rialto Superfund Site

Project Code/Job #: 0179962.04.C

| SAMPLE I.D. | DATE | TIME | MATRIX | CONTAINERS # | VOC's 8260B | Perchlorate 314.0 | LAB # | ADD'L INFORMATION |
|---|---|---|---|---|---|---|---|---|
| 28082014FB-1 | 8-28-14 | 0700 | W | 3 | X | | 1 | |
| PW-5E-GW-28/08/2014 | | 0750 | | 4 | X | X | 2 | |
| PW-5D-GW-28/08/2014 | | 0830 | | 12 | X | X | 3 | MS/MSD |
| 28082014EB-1 | | 0850 | | 4 | X | X | 4 | |
| PW-5C-GW-28/08/2014 | | 0905 | | | X | X | 5 | |
| PW-5B-GW-28/08/2014 | | 0930 | | | X | X | 6 | |
| PW-5A-GW-28/08/2014 | | 0955 | | | X | X | 7 | |
| PW-8E-GW-28/08/2014 | | 1105 | | | X | X | 8 | TEMPS = ~~5.4~~ 5.2 5.2-0.1 = 5.1°C |
| PW-8D-GW-28/08/2014 | | 1145 | | | X | X | 9 | 3.4-0.1 = 3.3°C |
| 28082014D-1 | | — | | | X | X | 10 | |

| SAMPLING COMPLETED | DATE | TIME | SAMPLING PERFORMED BY | RESULTS NEEDED NO LATER THAN |
|---|---|---|---|---|
| | 8-28-14 | 1400 | TW.1PF | As Contracted |

| RELEASED BY | TIME | RECEIVED BY | TIME |
|---|---|---|---|
| [signature] | 1530 | Nicole | 8/28/14 1530 |
| Nicole | | [signature] | 9-2-14 1000 |
| [signature] | 9-2-14 1230 | [signature] | 9/3/14 0921 |

| SHIPPED VIA | TIME SENT | COOLER # |
|---|---|---|
| FEDEX TRK# 8044 6487 8991 | | |

IRVINE

2 COOLERS ~~TEMP = 5.2 - 0.3 = 4.9°C~~ / ~~3.4 - 0.3 = 3.1°C~~

**C35770: 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

LAB - Accutest C35770 COC 2 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

CC:
Darren.Burgett@erm.com
Christopher.Berg@erm.com

CONDUCT ANALYSIS TO DETECT

| SAMPLE I.D. | DATE | TIME | MATRIX | CONTAINERS # | VOC's 8260B | Perchlorate 314.0 | | | | | | # | ADD'L INFORMATION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PW-8C-GW-28/08/2014 | 8-28-14 | 1220 | W | 4 | X | X | | | | | | 11 | |
| PW-8B-GW-28/08/2014 | ↓ | 1310 | ↓ | ↓ | X | X | | | | | | 12 | |
| PW-8A-GW-28/08/2014 | ↓ | 1340 | ↓ | ↓ | X | X | | | | | | 13 | |

SAMPLING COMPLETED: DATE 8-28-14 TIME 1400 SAMPLING PERFORMED BY A Wolff

RESULTS NEEDED NO LATER THAN: As Contracted

| RELEASED BY | TIME | RECEIVED BY | TIME |
|---|---|---|---|
| A Wolff | 1530 | Nicole | 8/28/14 1530 |
| Nicole | | [illegible] | 9-2-14 1000 |
| [illegible] | 9-2-14 1230 | [illegible] | 9/3/14 0921 |

SHIPPED VIA | TIME SENT | COOLER #

12 IRVINE

**C35770: Chain of Custody**
**Page 2 of 3**

# Accutest Laboratories Sample Receipt Summary

**Accutest Job Number:** C35770 **Client:** BLAINE TECH **Project:** BF GOODRICH RIALTO SUPERFUND SITE

**Date / Time Received:** 9/3/2014 **Delivery Method:** FedEx **Airbill #'s:** 804464878991

**Cooler Temps (Initial/Adjusted):** #1: (5.2/5.1); #2: (3.4/3.3);

| 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: | IR2; | | |
| 3. Cooler media: | Ice (Bag) | | |
| 4. No. Coolers: | 2 | | |

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

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

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

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

Comments

Accutest Laboratories
V:408.588.0200

2105 Lundy Avenue
F: 408.588.0201

San Jose, CA 95131
www/accutest.com

**C35770: 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:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1732-MB | W48170.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |



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

C35770-1, C35770-2, C35770-3, C35770-4, C35770-5, C35770-6

| 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:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1732-MB | W48170.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |



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

C35770-1, C35770-2, C35770-3, C35770-4, C35770-5, C35770-6

| 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 | 102% | 70-130% |

# Method Blank Summary



**Job Number:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1732-MB | W48170.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |

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

C35770-1, C35770-2, C35770-3, C35770-4, C35770-5, C35770-6

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 105% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 97% | 70-130% |

# Method Blank Summary



**Job Number:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1733-MB | W48196.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |



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

C35770-7, C35770-8, C35770-10, C35770-12, C35770-13

| 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:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1733-MB | W48196.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |



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

C35770-7, C35770-8, C35770-10, C35770-12, C35770-13

| 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 | 103% | 70-130% |

# Method Blank Summary



**Job Number:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1733-MB | W48196.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |

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

C35770-7, C35770-8, C35770-10, C35770-12, C35770-13

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 105% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | 70-130% |

# Method Blank Summary



**Job Number:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VV812-MB | V20595.D | 1 | 09/13/14 | BD | n/a | n/a | VV812 |



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

C35770-9, C35770-11

| 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:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VV812-MB | V20595.D | 1 | 09/13/14 | BD | n/a | n/a | VV812 |



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

C35770-9, C35770-11

| 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 | 95% | 70-130% |

# Method Blank Summary



**Job Number:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VV812-MB | V20595.D | 1 | 09/13/14 | BD | n/a | n/a | VV812 |

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

C35770-9, C35770-11

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 105% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 103% | 70-130% |

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1732-BS | W48167.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| VW1732-BSD | W48168.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |



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

C35770-1, C35770-2, C35770-3, C35770-4, C35770-5, C35770-6

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 80 | 101 | 126 | 96.9 | 121 | 4 | 38-159/24 |
| 71-43-2 | Benzene | 20 | 17.9 | 90 | 17.9 | 90 | 0 | 77-122/25 |
| 108-86-1 | Bromobenzene | 20 | 19.3 | 97 | 19.3 | 97 | 0 | 76-126/17 |
| 74-97-5 | Bromochloromethane | 20 | 21.8 | 109 | 21.8 | 109 | 0 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | 20 | 19.2 | 96 | 19.3 | 97 | 1 | 75-127/16 |
| 75-25-2 | Bromoform | 20 | 16.6 | 83 | 17.0 | 85 | 2 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | 20 | 16.4 | 82 | 16.1 | 81 | 2 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | 20 | 16.1 | 81 | 15.9 | 80 | 1 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | 20 | 16.7 | 84 | 16.6 | 83 | 1 | 73-127/18 |
| 108-90-7 | Chlorobenzene | 20 | 18.0 | 90 | 17.9 | 90 | 1 | 77-122/16 |
| 75-00-3 | Chloroethane | 20 | 21.9 | 110 | 21.8 | 109 | 0 | 69-133/18 |
| 67-66-3 | Chloroform | 20 | 22.2 | 111 | 22.1 | 111 | 0 | 74-126/17 |
| 95-49-8 | o-Chlorotoluene | 20 | 19.2 | 96 | 18.9 | 95 | 2 | 72-127/20 |
| 106-43-4 | p-Chlorotoluene | 20 | 19.1 | 96 | 19.0 | 95 | 1 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | 20 | 14.9 | 75 | 15.0 | 75 | 1 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | 20 | 22.0 | 110 | 21.9 | 110 | 0 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | 20 | 17.3 | 87 | 17.4 | 87 | 1 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | 20 | 15.2 | 76 | 15.2 | 76 | 0 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 20 | 18.4 | 92 | 18.3 | 92 | 1 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | 20 | 17.9 | 90 | 18.0 | 90 | 1 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | 20 | 18.2 | 91 | 18.4 | 92 | 1 | 71-131/17 |
| 78-87-5 | 1,2-Dichloropropane | 20 | 18.6 | 93 | 18.7 | 94 | 1 | 78-124/16 |
| 142-28-9 | 1,3-Dichloropropane | 20 | 17.9 | 90 | 18.0 | 90 | 1 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | 20 | 21.3 | 107 | 21.3 | 107 | 0 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | 20 | 20.6 | 103 | 20.2 | 101 | 2 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | 20 | 17.1 | 86 | 17.1 | 86 | 0 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | 20 | 16.9 | 85 | 16.0 | 80 | 5 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | 20 | 21.5 | 108 | 21.5 | 108 | 0 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | 20 | 19.0 | 95 | 19.1 | 96 | 1 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | 20 | 19.0 | 95 | 18.9 | 95 | 1 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | 20 | 18.5 | 93 | 18.5 | 93 | 0 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | 20 | 18.7 | 94 | 18.7 | 94 | 0 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | 20 | 20.4 | 102 | 20.3 | 102 | 0 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | 20 | 18.7 | 94 | 18.8 | 94 | 1 | 71-126/16 |
| 100-41-4 | Ethylbenzene | 20 | 17.2 | 86 | 17.0 | 85 | 1 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | 20 | 21.4 | 107 | 21.6 | 108 | 1 | 75-134/17 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1732-BS | W48167.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| VW1732-BSD | W48168.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |



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

C35770-1, C35770-2, C35770-3, C35770-4, C35770-5, C35770-6

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | 80 | 68.2 | 85 | 67.2 | 84 | 1 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | 20 | 14.4 | 72 | 14.0 | 70 | 3 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | 20 | 16.2 | 81 | 16.2 | 81 | 0 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | 20 | 16.7 | 84 | 16.4 | 82 | 2 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | 80 | 68.2 | 85 | 67.7 | 85 | 1 | 71-142/21 |
| 74-83-9 | Methyl bromide | 20 | 23.1 | 116 | 23.1 | 116 | 0 | 68-132/18 |
| 74-87-3 | Methyl chloride | 20 | 21.2 | 106 | 20.9 | 105 | 1 | 39-150/28 |
| 74-95-3 | Methylene bromide | 20 | 19.0 | 95 | 19.4 | 97 | 2 | 77-127/16 |
| 75-09-2 | Methylene chloride | 20 | 20.9 | 105 | 21.0 | 105 | 0 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | 80 | 90.6 | 113 | 89.9 | 112 | 1 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | 20 | 21.0 | 105 | 21.1 | 106 | 0 | 73-132/17 |
| 91-20-3 | Naphthalene | 20 | 16.0 | 80 | 16.0 | 80 | 0 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | 20 | 17.7 | 89 | 17.4 | 87 | 2 | 71-127/17 |
| 100-42-5 | Styrene | 20 | 17.2 | 86 | 17.1 | 86 | 1 | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | 20 | 20.7 | 104 | 20.9 | 105 | 1 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | 100 | 148 | 148 | 140 | 140 | 6 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 20 | 18.6 | 93 | 18.7 | 94 | 1 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | 20 | 19.0 | 95 | 18.9 | 95 | 1 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20 | 18.6 | 93 | 19.0 | 95 | 2 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | 20 | 18.0 | 90 | 18.0 | 90 | 0 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 20 | 14.8 | 74 | 15.0 | 75 | 1 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | 20 | 16.5 | 83 | 16.7 | 84 | 1 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20 | 15.8 | 79 | 15.8 | 79 | 0 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 20 | 18.3 | 92 | 18.1 | 91 | 1 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 20 | 18.0 | 90 | 17.9 | 90 | 1 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | 20 | 15.2 | 76 | 15.2 | 76 | 0 | 69-127/20 |
| 108-88-3 | Toluene | 20 | 17.4 | 87 | 17.3 | 87 | 1 | 75-122/17 |
| 79-01-6 | Trichloroethylene | 20 | 17.5 | 88 | 17.5 | 88 | 0 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | 20 | 19.4 | 97 | 19.1 | 96 | 2 | 65-136/23 |
| 75-01-4 | Vinyl chloride | 20 | 19.1 | 96 | 19.0 | 95 | 1 | 57-146/22 |
| 1330-20-7 | Xylene (total) | 60 | 51.2 | 85 | 50.9 | 85 | 1 | 77-125/17 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 125% | 125% | 70-130% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1732-BS | W48167.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| VW1732-BSD | W48168.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |

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

C35770-1, C35770-2, C35770-3, C35770-4, C35770-5, C35770-6

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

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1733-BS | W48193.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| VW1733-BSD | W48194.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |



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

C35770-7, C35770-8, C35770-10, C35770-12, C35770-13

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 80 | 88.0 | 110 | 81.9 | 102 | 7 | 38-159/24 |
| 71-43-2 | Benzene | 20 | 18.5 | 93 | 18.5 | 93 | 0 | 77-122/25 |
| 108-86-1 | Bromobenzene | 20 | 20.0 | 100 | 19.8 | 99 | 1 | 76-126/17 |
| 74-97-5 | Bromochloromethane | 20 | 19.0 | 95 | 19.1 | 96 | 1 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | 20 | 19.0 | 95 | 19.0 | 95 | 0 | 75-127/16 |
| 75-25-2 | Bromoform | 20 | 17.9 | 90 | 18.0 | 90 | 1 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | 20 | 18.4 | 92 | 18.0 | 90 | 2 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | 20 | 19.6 | 98 | 19.1 | 96 | 3 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | 20 | 19.5 | 98 | 19.1 | 96 | 2 | 73-127/18 |
| 108-90-7 | Chlorobenzene | 20 | 19.2 | 96 | 19.3 | 97 | 1 | 77-122/16 |
| 75-00-3 | Chloroethane | 20 | 19.8 | 99 | 19.9 | 100 | 1 | 69-133/18 |
| 67-66-3 | Chloroform | 20 | 19.6 | 98 | 19.4 | 97 | 1 | 74-126/17 |
| 95-49-8 | o-Chlorotoluene | 20 | 21.2 | 106 | 20.6 | 103 | 3 | 72-127/20 |
| 106-43-4 | p-Chlorotoluene | 20 | 20.4 | 102 | 20.0 | 100 | 2 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | 20 | 20.8 | 104 | 20.7 | 104 | 0 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | 20 | 19.2 | 96 | 19.1 | 96 | 1 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | 20 | 19.5 | 98 | 19.4 | 97 | 1 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | 20 | 20.4 | 102 | 20.2 | 101 | 1 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 20 | 19.7 | 99 | 18.8 | 94 | 5 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | 20 | 18.5 | 93 | 18.6 | 93 | 1 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | 20 | 18.0 | 90 | 18.2 | 91 | 1 | 71-131/17 |
| 78-87-5 | 1,2-Dichloropropane | 20 | 18.6 | 93 | 18.6 | 93 | 0 | 78-124/16 |
| 142-28-9 | 1,3-Dichloropropane | 20 | 18.3 | 92 | 18.3 | 92 | 0 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | 20 | 19.2 | 96 | 19.1 | 96 | 1 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | 20 | 20.9 | 105 | 20.4 | 102 | 2 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | 20 | 17.5 | 88 | 17.6 | 88 | 1 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | 20 | 19.5 | 98 | 18.2 | 91 | 7 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | 20 | 19.4 | 97 | 19.2 | 96 | 1 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | 20 | 19.4 | 97 | 19.7 | 99 | 2 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | 20 | 20.4 | 102 | 20.1 | 101 | 1 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | 20 | 20.0 | 100 | 19.8 | 99 | 1 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | 20 | 19.3 | 97 | 19.2 | 96 | 1 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | 20 | 19.1 | 96 | 18.9 | 95 | 1 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | 20 | 18.8 | 94 | 19.0 | 95 | 1 | 71-126/16 |
| 100-41-4 | Ethylbenzene | 20 | 18.6 | 93 | 18.4 | 92 | 1 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | 20 | 21.2 | 106 | 21.3 | 107 | 0 | 75-134/17 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1733-BS | W48193.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| VW1733-BSD | W48194.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |



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

C35770-7, C35770-8, C35770-10, C35770-12, C35770-13

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | 80 | 73.7 | 92 | 72.9 | 91 | 1 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | 20 | 16.7 | 84 | 16.4 | 82 | 2 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | 20 | 18.9 | 95 | 18.9 | 95 | 0 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | 20 | 18.6 | 93 | 18.1 | 91 | 3 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | 80 | 69.2 | 87 | 69.0 | 86 | 0 | 71-142/21 |
| 74-83-9 | Methyl bromide | 20 | 18.8 | 94 | 19.1 | 96 | 2 | 68-132/18 |
| 74-87-3 | Methyl chloride | 20 | 19.1 | 96 | 18.8 | 94 | 2 | 39-150/28 |
| 74-95-3 | Methylene bromide | 20 | 19.0 | 95 | 19.0 | 95 | 0 | 77-127/16 |
| 75-09-2 | Methylene chloride | 20 | 17.7 | 89 | 17.9 | 90 | 1 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | 80 | 79.8 | 100 | 77.9 | 97 | 2 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | 20 | 20.0 | 100 | 20.1 | 101 | 0 | 73-132/17 |
| 91-20-3 | Naphthalene | 20 | 17.2 | 86 | 16.7 | 84 | 3 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | 20 | 20.2 | 101 | 19.7 | 99 | 3 | 71-127/17 |
| 100-42-5 | Styrene | 20 | 18.0 | 90 | 18.1 | 91 | 1 | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | 20 | 20.1 | 101 | 20.1 | 101 | 0 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | 100 | 145 | 145 | 183 | 183* | 23 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 20 | 19.5 | 98 | 19.6 | 98 | 1 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | 20 | 20.2 | 101 | 20.0 | 100 | 1 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20 | 19.8 | 99 | 19.3 | 97 | 3 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | 20 | 18.3 | 92 | 18.4 | 92 | 1 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 20 | 15.9 | 80 | 15.6 | 78 | 2 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | 20 | 17.4 | 87 | 17.5 | 88 | 1 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20 | 16.4 | 82 | 16.3 | 82 | 1 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 20 | 19.0 | 95 | 18.6 | 93 | 2 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 20 | 20.1 | 101 | 19.5 | 98 | 3 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | 20 | 18.9 | 95 | 18.9 | 95 | 0 | 69-127/20 |
| 108-88-3 | Toluene | 20 | 18.7 | 94 | 18.5 | 93 | 1 | 75-122/17 |
| 79-01-6 | Trichloroethylene | 20 | 19.0 | 95 | 19.2 | 96 | 1 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | 20 | 21.3 | 107 | 21.3 | 107 | 0 | 65-136/23 |
| 75-01-4 | Vinyl chloride | 20 | 19.4 | 97 | 19.2 | 96 | 1 | 57-146/22 |
| 1330-20-7 | Xylene (total) | 60 | 56.1 | 94 | 55.8 | 93 | 1 | 77-125/17 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 105% | 105% | 70-130% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VW1733-BS | W48193.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| VW1733-BSD | W48194.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |



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

C35770-7, C35770-8, C35770-10, C35770-12, C35770-13

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 103% | 103% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | 100% | 70-130% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VV812-BS | V20592.D | 1 | 09/13/14 | BD | n/a | n/a | VV812 |
| VV812-BSD | V20593.D | 1 | 09/13/14 | BD | n/a | n/a | VV812 |



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

C35770-9, C35770-11

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 80 | 96.1 | 120 | 96.9 | 121 | 1 | 38-159/24 |
| 71-43-2 | Benzene | 20 | 17.6 | 88 | 17.8 | 89 | 1 | 77-122/25 |
| 108-86-1 | Bromobenzene | 20 | 18.0 | 90 | 18.2 | 91 | 1 | 76-126/17 |
| 74-97-5 | Bromochloromethane | 20 | 21.1 | 106 | 21.4 | 107 | 1 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | 20 | 18.4 | 92 | 18.7 | 94 | 2 | 75-127/16 |
| 75-25-2 | Bromoform | 20 | 18.9 | 95 | 19.4 | 97 | 3 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | 20 | 17.1 | 86 | 16.8 | 84 | 2 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | 20 | 17.2 | 86 | 17.2 | 86 | 0 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | 20 | 17.5 | 88 | 17.3 | 87 | 1 | 73-127/18 |
| 108-90-7 | Chlorobenzene | 20 | 18.0 | 90 | 17.9 | 90 | 1 | 77-122/16 |
| 75-00-3 | Chloroethane | 20 | 19.3 | 97 | 19.3 | 97 | 0 | 69-133/18 |
| 67-66-3 | Chloroform | 20 | 20.4 | 102 | 20.6 | 103 | 1 | 74-126/17 |
| 95-49-8 | o-Chlorotoluene | 20 | 18.1 | 91 | 18.0 | 90 | 1 | 72-127/20 |
| 106-43-4 | p-Chlorotoluene | 20 | 18.0 | 90 | 17.8 | 89 | 1 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | 20 | 15.7 | 79 | 15.6 | 78 | 1 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | 20 | 20.1 | 101 | 20.2 | 101 | 0 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | 20 | 17.3 | 87 | 17.4 | 87 | 1 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | 20 | 15.9 | 80 | 15.9 | 80 | 0 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 20 | 16.5 | 83 | 17.1 | 86 | 4 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | 20 | 17.6 | 88 | 18.4 | 92 | 4 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | 20 | 17.9 | 90 | 18.3 | 92 | 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 | 17.6 | 88 | 18.2 | 91 | 3 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | 20 | 20.6 | 103 | 21.0 | 105 | 2 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | 20 | 19.5 | 98 | 19.0 | 95 | 3 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | 20 | 18.1 | 91 | 18.4 | 92 | 2 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | 20 | 12.6 | 63 | 12.1 | 61 | 4 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | 20 | 20.7 | 104 | 20.9 | 105 | 1 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | 20 | 18.9 | 95 | 19.3 | 97 | 2 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | 20 | 18.1 | 91 | 18.2 | 91 | 1 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | 20 | 17.8 | 89 | 18.0 | 90 | 1 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | 20 | 17.8 | 89 | 17.9 | 90 | 1 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | 20 | 19.5 | 98 | 19.4 | 97 | 1 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | 20 | 18.2 | 91 | 18.6 | 93 | 2 | 71-126/16 |
| 100-41-4 | Ethylbenzene | 20 | 17.7 | 89 | 17.5 | 88 | 1 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | 20 | 20.5 | 103 | 21.0 | 105 | 2 | 75-134/17 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VV812-BS | V20592.D | 1 | 09/13/14 | BD | n/a | n/a | VV812 |
| VV812-BSD | V20593.D | 1 | 09/13/14 | BD | n/a | n/a | VV812 |



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

C35770-9, C35770-11

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | 80 | 65.4 | 82 | 68.3 | 85 | 4 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | 20 | 17.3 | 87 | 16.9 | 85 | 2 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | 20 | 17.3 | 87 | 17.2 | 86 | 1 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | 20 | 17.6 | 88 | 17.3 | 87 | 2 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | 80 | 64.7 | 81 | 68.2 | 85 | 5 | 71-142/21 |
| 74-83-9 | Methyl bromide | 20 | 20.7 | 104 | 21.0 | 105 | 1 | 68-132/18 |
| 74-87-3 | Methyl chloride | 20 | 19.0 | 95 | 20.0 | 100 | 5 | 39-150/28 |
| 74-95-3 | Methylene bromide | 20 | 18.4 | 92 | 19.0 | 95 | 3 | 77-127/16 |
| 75-09-2 | Methylene chloride | 20 | 19.9 | 100 | 20.2 | 101 | 1 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | 80 | 86.3 | 108 | 89.2 | 112 | 3 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | 20 | 20.0 | 100 | 20.9 | 105 | 4 | 73-132/17 |
| 91-20-3 | Naphthalene | 20 | 17.2 | 86 | 17.7 | 89 | 3 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | 20 | 17.4 | 87 | 17.2 | 86 | 1 | 71-127/17 |
| 100-42-5 | Styrene | 20 | 18.3 | 92 | 18.2 | 91 | 1 | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | 20 | 20.3 | 102 | 21.0 | 105 | 3 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | 100 | 156 | 156* [a] | 194 | 194* [a] | 22 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 20 | 18.2 | 91 | 18.1 | 91 | 1 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | 20 | 18.8 | 94 | 18.8 | 94 | 0 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20 | 17.6 | 88 | 18.2 | 91 | 3 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | 20 | 17.5 | 88 | 18.1 | 91 | 3 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 20 | 17.0 | 85 | 17.1 | 86 | 1 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | 20 | 18.4 | 92 | 18.9 | 95 | 3 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20 | 17.3 | 87 | 17.6 | 88 | 2 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 20 | 18.1 | 91 | 18.0 | 90 | 1 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 20 | 17.8 | 89 | 17.7 | 89 | 1 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | 20 | 16.6 | 83 | 16.6 | 83 | 0 | 69-127/20 |
| 108-88-3 | Toluene | 20 | 17.6 | 88 | 17.5 | 88 | 1 | 75-122/17 |
| 79-01-6 | Trichloroethylene | 20 | 17.5 | 88 | 17.5 | 88 | 0 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | 20 | 14.1 | 71 | 13.6 | 68 | 4 | 65-136/23 |
| 75-01-4 | Vinyl chloride | 20 | 16.5 | 83 | 16.5 | 83 | 0 | 57-146/22 |
| 1330-20-7 | Xylene (total) | 60 | 54.2 | 90 | 53.4 | 89 | 1 | 77-125/17 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 117% [b] | 118% [b] | 70-130% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| VV812-BS | V20592.D | 1 | 09/13/14 | BD | n/a | n/a | VV812 |
| VV812-BSD | V20593.D | 1 | 09/13/14 | BD | n/a | n/a | VV812 |



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

C35770-9, C35770-11

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 99% | 99% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | 102% | 70-130% |

(a) Outside laboratory control limits.
(b) Outside DOD-QSM4 control limits; within laboratory control limits.

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35770-3MS | W48186.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| C35770-3MSD | W48187.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| C35770-3 | W48173.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |



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

C35770-1, C35770-2, C35770-3, C35770-4, C35770-5, C35770-6

| CAS No. | Compound | C35770-3 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 80 | 93.3 | 117 | 80 | 92.6 | 116 | 1 | 38-159/24 |
| 71-43-2 | Benzene | ND | | 20 | 19.4 | 97 | 20 | 19.1 | 96 | 2 | 77-122/16 |
| 108-86-1 | Bromobenzene | ND | | 20 | 19.6 | 98 | 20 | 19.4 | 97 | 1 | 76-126/17 |
| 74-97-5 | Bromochloromethane | ND | | 20 | 20.3 | 102 | 20 | 20.4 | 102 | 0 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | ND | | 20 | 20.5 | 103 | 20 | 20.3 | 102 | 1 | 75-127/16 |
| 75-25-2 | Bromoform | ND | | 20 | 17.4 | 87 | 20 | 17.6 | 88 | 1 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | ND | | 20 | 16.9 | 85 | 20 | 16.9 | 85 | 0 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | ND | | 20 | 17.2 | 86 | 20 | 17.0 | 85 | 1 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | ND | | 20 | 17.5 | 88 | 20 | 17.2 | 86 | 2 | 73-127/18 |
| 108-90-7 | Chlorobenzene | ND | | 20 | 18.7 | 94 | 20 | 18.6 | 93 | 1 | 77-122/16 |
| 75-00-3 | Chloroethane | ND | | 20 | 22.2 | 111 | 20 | 22.0 | 110 | 1 | 69-133/18 |
| 67-66-3 | Chloroform | ND | | 20 | 22.4 | 112 | 20 | 22.1 | 111 | 1 | 74-126/17 |
| 95-49-8 | o-Chlorotoluene | ND | | 20 | 20.0 | 100 | 20 | 19.7 | 99 | 2 | 72-127/20 |
| 106-43-4 | p-Chlorotoluene | ND | | 20 | 20.5 | 103 | 20 | 20.0 | 100 | 2 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | ND | | 20 | 20.6 | 103 | 20 | 20.3 | 102 | 1 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 20 | 23.0 | 115 | 20 | 22.4 | 112 | 3 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | ND | | 20 | 20.3 | 102 | 20 | 20.1 | 101 | 1 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | ND | | 20 | 19.7 | 99 | 20 | 19.3 | 97 | 2 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | 20 | 19.8 | 99 | 20 | 20.2 | 101 | 2 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | ND | | 20 | 18.5 | 93 | 20 | 18.9 | 95 | 2 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 20 | 20.1 | 101 | 20 | 19.6 | 98 | 3 | 71-131/17 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 20 | 20.1 | 101 | 20 | 19.8 | 99 | 2 | 78-124/16 |
| 142-28-9 | 1,3-Dichloropropane | ND | | 20 | 19.3 | 97 | 20 | 19.3 | 97 | 0 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | ND | | 20 | 22.1 | 111 | 20 | 21.8 | 109 | 1 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | ND | | 20 | 20.7 | 104 | 20 | 20.1 | 101 | 3 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | ND | | 20 | 17.8 | 89 | 20 | 17.8 | 89 | 0 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 20 | 18.8 | 94 | 20 | 17.1 | 86 | 9 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | 20 | 21.1 | 106 | 20 | 21.0 | 105 | 0 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 20 | 19.5 | 98 | 20 | 19.3 | 97 | 1 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | ND | | 20 | 19.2 | 96 | 20 | 19.2 | 96 | 0 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | ND | | 20 | 19.2 | 96 | 20 | 19.0 | 95 | 1 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | ND | | 20 | 19.0 | 95 | 20 | 18.8 | 94 | 1 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | 20 | 21.0 | 105 | 20 | 20.6 | 103 | 2 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 20 | 19.8 | 99 | 20 | 19.7 | 99 | 1 | 71-126/16 |
| 100-41-4 | Ethylbenzene | ND | | 20 | 19.0 | 95 | 20 | 18.7 | 94 | 2 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | ND | | 20 | 21.6 | 108 | 20 | 21.5 | 108 | 0 | 75-134/17 |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary

**Job Number:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35770-3MS | W48186.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| C35770-3MSD | W48187.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| C35770-3 | W48173.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |

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

C35770-1, C35770-2, C35770-3, C35770-4, C35770-5, C35770-6

| CAS No. | Compound | C35770-3 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | | 80 | 78.0 | 98 | 80 | 77.1 | 96 | 1 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | ND | | 20 | 13.6 | 68* [a] | 20 | 14.1 | 71 | 4 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | ND | | 20 | 18.0 | 90 | 20 | 17.9 | 90 | 1 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | ND | | 20 | 17.1 | 86 | 20 | 17.0 | 85 | 1 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | 80 | 76.4 | 96 | 80 | 76.1 | 95 | 0 | 71-142/21 |
| 74-83-9 | Methyl bromide | ND | | 20 | 21.5 | 108 | 20 | 21.8 | 109 | 1 | 68-132/18 |
| 74-87-3 | Methyl chloride | ND | | 20 | 22.1 | 111 | 20 | 22.0 | 110 | 0 | 39-150/28 |
| 74-95-3 | Methylene bromide | ND | | 20 | 20.0 | 100 | 20 | 19.8 | 99 | 1 | 77-127/16 |
| 75-09-2 | Methylene chloride | ND | | 20 | 19.7 | 99 | 20 | 19.8 | 99 | 1 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | ND | | 80 | 86.6 | 108 | 80 | 83.8 | 105 | 3 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | | 20 | 20.6 | 103 | 20 | 20.9 | 105 | 1 | 73-132/17 |
| 91-20-3 | Naphthalene | ND | | 20 | 15.9 | 80 | 20 | 16.8 | 84 | 6 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | ND | | 20 | 19.2 | 96 | 20 | 18.8 | 94 | 2 | 71-127/17 |
| 100-42-5 | Styrene | ND | | 20 | 16.6 | 83 | 20 | 16.5 | 83 | 1 | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | | 20 | 20.5 | 103 | 20 | 20.6 | 103 | 0 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | ND | | 100 | 138 | 138 | 100 | 151 | 151* [a] | 9 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | 20 | 19.3 | 97 | 20 | 19.4 | 97 | 1 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 20 | 22.3 | 112 | 20 | 21.9 | 110 | 2 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 20 | 20.0 | 100 | 20 | 20.0 | 100 | 0 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 20 | 19.0 | 95 | 20 | 18.9 | 95 | 1 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | 20 | 13.6 | 68* [a] | 20 | 14.7 | 74 | 8 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | 20 | 17.5 | 88 | 20 | 17.6 | 88 | 1 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 20 | 14.4 | 72 | 20 | 15.4 | 77 | 7 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | 20 | 18.7 | 94 | 20 | 18.6 | 93 | 1 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | 20 | 18.6 | 93 | 20 | 18.4 | 92 | 1 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | ND | | 20 | 17.7 | 89 | 20 | 17.7 | 89 | 0 | 69-127/20 |
| 108-88-3 | Toluene | ND | | 20 | 18.9 | 95 | 20 | 18.7 | 94 | 1 | 75-122/17 |
| 79-01-6 | Trichloroethylene | 21.9 | | 20 | 42.7 | 104 | 20 | 41.9 | 100 | 2 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | ND | | 20 | 21.9 | 110 | 20 | 21.0 | 105 | 4 | 65-136/23 |
| 75-01-4 | Vinyl chloride | ND | | 20 | 20.0 | 100 | 20 | 20.1 | 101 | 0 | 57-146/22 |
| 1330-20-7 | Xylene (total) | ND | | 60 | 54.5 | 91 | 60 | 54.5 | 91 | 0 | 77-125/17 |

| CAS No. | Surrogate Recoveries | MS | MSD | C35770-3 | Limits |
|---|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 119% | 116% | 103% | 70-130% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35770-3MS | W48186.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| C35770-3MSD | W48187.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |
| C35770-3 | W48173.D | 1 | 09/09/14 | BD | n/a | n/a | VW1732 |

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

C35770-1, C35770-2, C35770-3, C35770-4, C35770-5, C35770-6

| CAS No. | Surrogate Recoveries | MS | MSD | C35770-3 | Limits |
|---|---|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 103% | 103% | 106% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 104% | 103% | 100% | 70-130% |

(a) Outside laboratory control limits.

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35733-8MS | W48213.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| C35733-8MSD | W48214.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| C35733-8 | W48206.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |



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

C35770-7, C35770-8, C35770-10, C35770-12, C35770-13

| CAS No. | Compound | C35733-8 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 80 | 79.7 | 100 | 80 | 82.2 | 103 | 3 | 38-159/24 |
| 71-43-2 | Benzene | ND | | 20 | 18.8 | 94 | 20 | 19.0 | 95 | 1 | 77-122/16 |
| 108-86-1 | Bromobenzene | ND | | 20 | 18.7 | 94 | 20 | 19.5 | 98 | 4 | 76-126/17 |
| 74-97-5 | Bromochloromethane | ND | | 20 | 18.2 | 91 | 20 | 18.6 | 93 | 2 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | ND | | 20 | 19.2 | 96 | 20 | 19.6 | 98 | 2 | 75-127/16 |
| 75-25-2 | Bromoform | ND | | 20 | 17.0 | 85 | 20 | 17.3 | 87 | 2 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | ND | | 20 | 18.9 | 95 | 20 | 19.0 | 95 | 1 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | ND | | 20 | 20.0 | 100 | 20 | 20.2 | 101 | 1 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | ND | | 20 | 19.4 | 97 | 20 | 19.8 | 99 | 2 | 73-127/18 |
| 108-90-7 | Chlorobenzene | ND | | 20 | 18.9 | 95 | 20 | 19.3 | 97 | 2 | 77-122/16 |
| 75-00-3 | Chloroethane | ND | | 20 | 21.9 | 110 | 20 | 21.5 | 108 | 2 | 69-133/18 |
| 67-66-3 | Chloroform | ND | | 20 | 20.4 | 102 | 20 | 20.5 | 103 | 0 | 74-126/17 |
| 95-49-8 | o-Chlorotoluene | ND | | 20 | 21.1 | 106 | 20 | 21.4 | 107 | 1 | 72-127/20 |
| 106-43-4 | p-Chlorotoluene | ND | | 20 | 20.6 | 103 | 20 | 21.1 | 106 | 2 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | ND | | 20 | 21.9 | 110 | 20 | 22.1 | 111 | 1 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 20 | 20.7 | 104 | 20 | 20.4 | 102 | 1 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | ND | | 20 | 20.0 | 100 | 20 | 20.1 | 101 | 0 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | ND | | 20 | 21.5 | 108 | 20 | 21.6 | 108 | 0 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | 20 | 18.6 | 93 | 20 | 19.4 | 97 | 4 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | ND | | 20 | 17.7 | 89 | 20 | 18.3 | 92 | 3 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 20 | 19.1 | 96 | 20 | 19.1 | 96 | 0 | 71-131/17 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 20 | 19.1 | 96 | 20 | 19.3 | 97 | 1 | 78-124/16 |
| 142-28-9 | 1,3-Dichloropropane | ND | | 20 | 18.4 | 92 | 20 | 18.5 | 93 | 1 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | ND | | 20 | 20.6 | 103 | 20 | 20.4 | 102 | 1 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | ND | | 20 | 20.2 | 101 | 20 | 19.6 | 98 | 3 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | ND | | 20 | 16.7 | 84 | 20 | 17.1 | 86 | 2 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 20 | 21.3 | 107 | 20 | 19.9 | 100 | 7 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | 20 | 19.6 | 98 | 20 | 19.6 | 98 | 0 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 20 | 18.9 | 95 | 20 | 19.5 | 98 | 3 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | ND | | 20 | 19.6 | 98 | 20 | 20.1 | 101 | 3 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | ND | | 20 | 19.3 | 97 | 20 | 19.7 | 99 | 2 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | ND | | 20 | 18.5 | 93 | 20 | 19.1 | 96 | 3 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | 20 | 19.3 | 97 | 20 | 19.5 | 98 | 1 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 20 | 18.5 | 93 | 20 | 18.7 | 94 | 1 | 71-126/16 |
| 100-41-4 | Ethylbenzene | ND | | 20 | 19.0 | 95 | 20 | 19.1 | 96 | 1 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | ND | | 20 | 22.0 | 110 | 20 | 21.9 | 110 | 0 | 75-134/17 |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary

**Job Number:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35733-8MS | W48213.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| C35733-8MSD | W48214.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| C35733-8 | W48206.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |



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

C35770-7, C35770-8, C35770-10, C35770-12, C35770-13

| CAS No. | Compound | C35733-8 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | | 80 | 74.2 | 93 | 80 | 75.5 | 94 | 2 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | ND | | 20 | 15.6 | 78 | 20 | 16.3 | 82 | 4 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | ND | | 20 | 19.5 | 98 | 20 | 19.4 | 97 | 1 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | ND | | 20 | 18.6 | 93 | 20 | 18.9 | 95 | 2 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | 80 | 69.6 | 87 | 80 | 71.5 | 89 | 3 | 71-142/21 |
| 74-83-9 | Methyl bromide | ND | | 20 | 19.6 | 98 | 20 | 19.1 | 96 | 3 | 68-132/18 |
| 74-87-3 | Methyl chloride | ND | | 20 | 21.6 | 108 | 20 | 21.0 | 105 | 3 | 39-150/28 |
| 74-95-3 | Methylene bromide | ND | | 20 | 18.8 | 94 | 20 | 19.3 | 97 | 3 | 77-127/16 |
| 75-09-2 | Methylene chloride | ND | | 20 | 17.8 | 89 | 20 | 17.7 | 89 | 1 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | ND | | 80 | 75.2 | 94 | 80 | 78.8 | 99 | 5 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | | 20 | 20.0 | 100 | 20 | 20.1 | 101 | 0 | 73-132/17 |
| 91-20-3 | Naphthalene | ND | | 20 | 15.6 | 78 | 20 | 16.4 | 82 | 5 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | ND | | 20 | 20.4 | 102 | 20 | 20.8 | 104 | 2 | 71-127/17 |
| 100-42-5 | Styrene | ND | | 20 | 17.8 | 89 | 20 | 18.1 | 91 | 2 | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | | 20 | 20.0 | 100 | 20 | 20.3 | 102 | 1 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | ND | | 100 | 115 | 115 | 100 | 132 | 132 | 14 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | 20 | 19.2 | 96 | 20 | 19.2 | 96 | 0 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 20 | 21.7 | 109 | 20 | 21.5 | 108 | 1 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 20 | 19.0 | 95 | 20 | 19.5 | 98 | 3 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 20 | 18.2 | 91 | 20 | 18.3 | 92 | 1 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | 20 | 14.2 | 71 | 20 | 15.2 | 76 | 7 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | 20 | 16.8 | 84 | 20 | 16.7 | 84 | 1 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 20 | 14.9 | 75 | 20 | 15.7 | 79 | 5 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | 20 | 18.8 | 94 | 20 | 19.2 | 96 | 2 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | 20 | 19.8 | 99 | 20 | 20.2 | 101 | 2 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | ND | | 20 | 18.6 | 93 | 20 | 18.8 | 94 | 1 | 69-127/20 |
| 108-88-3 | Toluene | ND | | 20 | 18.7 | 94 | 20 | 18.9 | 95 | 1 | 75-122/17 |
| 79-01-6 | Trichloroethylene | 0.75 | J | 20 | 20.4 | 98 | 20 | 20.9 | 101 | 2 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | ND | | 20 | 23.9 | 120 | 20 | 23.2 | 116 | 3 | 65-136/23 |
| 75-01-4 | Vinyl chloride | ND | | 20 | 21.7 | 109 | 20 | 21.3 | 107 | 2 | 57-146/22 |
| 1330-20-7 | Xylene (total) | ND | | 60 | 55.8 | 93 | 60 | 56.7 | 95 | 2 | 77-125/17 |

| CAS No. | Surrogate Recoveries | MS | MSD | C35733-8 | Limits |
|---|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 107% | 105% | 104% | 70-130% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35733-8MS | W48213.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| C35733-8MSD | W48214.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |
| C35733-8 | W48206.D | 1 | 09/10/14 | TN | n/a | n/a | VW1733 |

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

C35770-7, C35770-8, C35770-10, C35770-12, C35770-13

| CAS No. | Surrogate Recoveries | MS | MSD | C35733-8 | Limits |
|---|---|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 104% | 103% | 104% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | 99% | 98% | 70-130% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35784-5MS | V20613.D | 1 | 09/13/14 | BD | n/a | n/a | VV812 |
| C35784-5MSD | V20614.D | 1 | 09/13/14 | BD | n/a | n/a | VV812 |
| C35784-5 [a] | V20598.D | 1 | 09/13/14 | BD | n/a | n/a | VV812 |



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

C35770-9, C35770-11

| CAS No. | Compound | C35784-5 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 20 U | | 80 | 86.3 | 108 | 80 | 84.7 | 106 | 2 | 38-159/24 |
| 71-43-2 | Benzene | 1.0 U | | 20 | 18.9 | 95 | 20 | 18.3 | 92 | 3 | 77-122/16 |
| 108-86-1 | Bromobenzene | 1.0 U | | 20 | 19.9 | 100 | 20 | 19.2 | 96 | 4 | 76-126/17 |
| 74-97-5 | Bromochloromethane | 1.0 U | | 20 | 19.6 | 98 | 20 | 19.0 | 95 | 3 | 77-130/17 |
| 75-27-4 | Bromodichloromethane | 1.0 U | | 20 | 19.4 | 97 | 20 | 18.7 | 94 | 4 | 75-127/16 |
| 75-25-2 | Bromoform | 1.0 U | | 20 | 19.8 | 99 | 20 | 19.4 | 97 | 2 | 69-141/17 |
| 104-51-8 | n-Butylbenzene | 2.0 U | | 20 | 18.7 | 94 | 20 | 18.2 | 91 | 3 | 72-129/18 |
| 135-98-8 | sec-Butylbenzene | 0.64 | J | 20 | 20.5 | 99 | 20 | 19.8 | 96 | 3 | 74-128/18 |
| 98-06-6 | tert-Butylbenzene | 2.0 U | | 20 | 20.0 | 100 | 20 | 19.5 | 98 | 3 | 73-127/18 |
| 108-90-7 | Chlorobenzene | 1.0 U | | 20 | 19.4 | 97 | 20 | 18.9 | 95 | 3 | 77-122/16 |
| 75-00-3 | Chloroethane | 1.0 U | | 20 | 20.2 | 101 | 20 | 20.6 | 103 | 2 | 69-133/18 |
| 67-66-3 | Chloroform | 1.0 U | | 20 | 19.3 | 97 | 20 | 18.4 | 92 | 5 | 74-126/17 |
| 95-49-8 | o-Chlorotoluene | 2.0 U | | 20 | 20.1 | 101 | 20 | 19.2 | 96 | 5 | 72-127/20 |
| 106-43-4 | p-Chlorotoluene | 2.0 U | | 20 | 19.3 | 97 | 20 | 18.7 | 94 | 3 | 68-127/18 |
| 56-23-5 | Carbon tetrachloride | 1.0 U | | 20 | 19.8 | 99 | 20 | 19.3 | 97 | 3 | 71-133/19 |
| 75-34-3 | 1,1-Dichloroethane | 1.0 U | | 20 | 19.2 | 96 | 20 | 18.3 | 92 | 5 | 71-125/17 |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 U | | 20 | 19.4 | 97 | 20 | 18.6 | 93 | 4 | 66-125/20 |
| 563-58-6 | 1,1-Dichloropropene | 1.0 U | | 20 | 19.4 | 97 | 20 | 18.7 | 94 | 4 | 75-124/18 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 2.0 U | | 20 | 18.4 | 92 | 20 | 18.0 | 90 | 2 | 65-131/20 |
| 106-93-4 | 1,2-Dibromoethane | 1.0 U | | 20 | 19.3 | 97 | 20 | 18.7 | 94 | 3 | 75-135/17 |
| 107-06-2 | 1,2-Dichloroethane | 1.0 U | | 20 | 19.0 | 95 | 20 | 18.3 | 92 | 4 | 71-131/17 |
| 78-87-5 | 1,2-Dichloropropane | 1.0 U | | 20 | 19.1 | 96 | 20 | 18.6 | 93 | 3 | 78-124/16 |
| 142-28-9 | 1,3-Dichloropropane | 1.0 U | | 20 | 19.5 | 98 | 20 | 18.6 | 93 | 5 | 78-123/16 |
| 108-20-3 | Di-Isopropyl ether | 2.0 U | | 20 | 19.3 | 97 | 20 | 18.6 | 93 | 4 | 68-129/17 |
| 594-20-7 | 2,2-Dichloropropane | 1.0 U | | 20 | 16.0 | 80 | 20 | 15.2 | 76 | 5 | 70-131/19 |
| 124-48-1 | Dibromochloromethane | 1.0 U | | 20 | 19.3 | 97 | 20 | 18.8 | 94 | 3 | 76-132/16 |
| 75-71-8 | Dichlorodifluoromethane | 1.0 U | | 20 | 21.6 | 108 | 20 | 20.7 | 104 | 4 | 32-168/28 |
| 156-59-2 | cis-1,2-Dichloroethylene | 1.0 U | | 20 | 19.1 | 96 | 20 | 18.4 | 92 | 4 | 73-126/17 |
| 10061-01-5 | cis-1,3-Dichloropropene | 1.0 U | | 20 | 19.0 | 95 | 20 | 18.4 | 92 | 3 | 72-130/16 |
| 541-73-1 | m-Dichlorobenzene | 1.0 U | | 20 | 19.5 | 98 | 20 | 18.9 | 95 | 3 | 75-124/16 |
| 95-50-1 | o-Dichlorobenzene | 1.0 U | | 20 | 19.7 | 99 | 20 | 18.9 | 95 | 4 | 76-124/16 |
| 106-46-7 | p-Dichlorobenzene | 1.0 U | | 20 | 19.4 | 97 | 20 | 18.8 | 94 | 3 | 75-124/16 |
| 156-60-5 | trans-1,2-Dichloroethylene | 1.0 U | | 20 | 19.4 | 97 | 20 | 18.7 | 94 | 4 | 71-126/18 |
| 10061-02-6 | trans-1,3-Dichloropropene | 1.0 U | | 20 | 18.8 | 94 | 20 | 18.1 | 91 | 4 | 71-126/16 |
| 100-41-4 | Ethylbenzene | 1.0 U | | 20 | 19.4 | 97 | 20 | 18.9 | 95 | 3 | 76-126/17 |
| 637-92-3 | Ethyl Tert Butyl Ether | 2.0 U | | 20 | 19.6 | 98 | 20 | 18.9 | 95 | 4 | 75-134/17 |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35784-5MS | V20613.D | 1 | 09/13/14 | BD | n/a | n/a | VV812 |
| C35784-5MSD | V20614.D | 1 | 09/13/14 | BD | n/a | n/a | VV812 |
| C35784-5 [a] | V20598.D | 1 | 09/13/14 | BD | n/a | n/a | VV812 |



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

C35770-9, C35770-11

| CAS No. | Compound | C35784-5 ug/l | Q | Spike ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | 10 U | | 80 | 76.0 | 95 | 80 | 73.5 | 92 | 3 | 67-150/22 |
| 87-68-3 | Hexachlorobutadiene | 2.0 U | | 20 | 18.1 | 91 | 20 | 17.8 | 89 | 2 | 69-135/20 |
| 98-82-8 | Isopropylbenzene | 1.3 | | 20 | 20.7 | 97 | 20 | 20.2 | 95 | 2 | 61-125/17 |
| 99-87-6 | p-Isopropyltoluene | 2.0 U | | 20 | 19.5 | 98 | 20 | 18.9 | 95 | 3 | 68-127/18 |
| 108-10-1 | 4-Methyl-2-pentanone | 10 U | | 80 | 72.6 | 91 | 80 | 71.1 | 89 | 2 | 71-142/21 |
| 74-83-9 | Methyl bromide | 2.0 U | | 20 | 19.7 | 99 | 20 | 20.0 | 100 | 2 | 68-132/18 |
| 74-87-3 | Methyl chloride | 1.0 U | | 20 | 21.4 | 107 | 20 | 21.3 | 107 | 0 | 39-150/28 |
| 74-95-3 | Methylene bromide | 1.0 U | | 20 | 19.6 | 98 | 20 | 19.0 | 95 | 3 | 77-127/16 |
| 75-09-2 | Methylene chloride | 10 U | | 20 | 18.2 | 91 | 20 | 17.5 | 88 | 4 | 67-128/18 |
| 78-93-3 | Methyl ethyl ketone | 10 U | | 80 | 77.9 | 97 | 80 | 77.7 | 97 | 0 | 56-155/23 |
| 1634-04-4 | Methyl Tert Butyl Ether | 0.74 | J | 20 | 20.2 | 97 | 20 | 19.5 | 94 | 4 | 73-132/17 |
| 91-20-3 | Naphthalene | 5.0 U | | 20 | 20.2 | 101 | 20 | 19.7 | 99 | 3 | 70-136/20 |
| 103-65-1 | n-Propylbenzene | 2.0 U | | 20 | 19.7 | 99 | 20 | 19.1 | 96 | 3 | 71-127/17 |
| 100-42-5 | Styrene | 1.0 U | | 20 | 11.2 | 56* [b] | 20 | 13.3 | 67* [b] | 17* [b] | 72-134/16 |
| 994-05-8 | Tert-Amyl Methyl Ether | 2.0 U | | 20 | 19.4 | 97 | 20 | 19.0 | 95 | 2 | 73-133/17 |
| 75-65-0 | Tert-Butyl Alcohol | 10 U | | 100 | 144 | 144 | 100 | 148 | 148 | 3 | 60-149/26 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 1.0 U | | 20 | 19.3 | 97 | 20 | 18.9 | 95 | 2 | 77-130/16 |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 U | | 20 | 19.8 | 99 | 20 | 19.0 | 95 | 4 | 74-128/19 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 U | | 20 | 20.1 | 101 | 20 | 19.5 | 98 | 3 | 77-129/17 |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 U | | 20 | 19.4 | 97 | 20 | 18.7 | 94 | 4 | 77-125/16 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 2.0 U | | 20 | 18.7 | 94 | 20 | 18.3 | 92 | 2 | 70-133/18 |
| 96-18-4 | 1,2,3-Trichloropropane | 2.0 U | | 20 | 19.2 | 96 | 20 | 18.4 | 92 | 4 | 69-126/18 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 2.0 U | | 20 | 18.7 | 94 | 20 | 18.2 | 91 | 3 | 68-129/17 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 2.0 U | | 20 | 19.7 | 99 | 20 | 18.9 | 95 | 4 | 74-129/17 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 2.0 U | | 20 | 19.6 | 98 | 20 | 19.0 | 95 | 3 | 77-129/17 |
| 127-18-4 | Tetrachloroethylene | 1.0 U | | 20 | 19.5 | 98 | 20 | 18.9 | 95 | 3 | 69-127/20 |
| 108-88-3 | Toluene | 1.0 U | | 20 | 19.5 | 98 | 20 | 18.7 | 94 | 4 | 75-122/17 |
| 79-01-6 | Trichloroethylene | 1.0 U | | 20 | 19.4 | 97 | 20 | 18.9 | 95 | 3 | 78-123/17 |
| 75-69-4 | Trichlorofluoromethane | 1.0 U | | 20 | 20.6 | 103 | 20 | 20.8 | 104 | 1 | 65-136/23 |
| 75-01-4 | Vinyl chloride | 1.0 U | | 20 | 21.1 | 106 | 20 | 20.9 | 105 | 1 | 57-146/22 |
| 1330-20-7 | Xylene (total) | 2.0 U | | 60 | 58.2 | 97 | 60 | 56.6 | 94 | 3 | 77-125/17 |

| CAS No. | Surrogate Recoveries | MS | MSD | C35784-5 | Limits |
|---|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 100% | 100% | | 70-130% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** C35770
**Account:** ERMCAI ERM-Irvine
**Project:** BF Goodrich Superfund Sampling, Rialto

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| C35784-5MS | V20613.D | 1 | 09/13/14 | BD | n/a | n/a | VV812 |
| C35784-5MSD | V20614.D | 1 | 09/13/14 | BD | n/a | n/a | VV812 |
| C35784-5 [a] | V20598.D | 1 | 09/13/14 | BD | n/a | n/a | VV812 |

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

C35770-9, C35770-11

| CAS No. | Surrogate Recoveries | MS | MSD | C35784-5 | Limits |
|---|---|---|---|---|---|
| 2037-26-5 | Toluene-D8 | 102% | 101% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | 101% | | 70-130% |

(a) Sample used for QC purposes only.
(b) 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: C35770
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 | GP6822/GN14506 | 3.0 | 0.0 | ug/l | 25 | 22.5 | 90.0 | 85-115% |
| Perchlorate | GP6823/GN14507 | 3.0 | 0.0 | ug/l | 25 | 24.7 | 98.8 | 85-115% |
| Specific Conductivity | GN14502 | 1.0 | 0.0 | umhos/cm | | | | |

Associated Samples:
Batch GP6822: C35770-4, C35770-8, C35770-9, C35770-10, C35770-11
Batch GP6823: C35770-2, C35770-3, C35770-5, C35770-6, C35770-7, C35770-12, C35770-13
Batch GN14502: C35770-2, C35770-3, C35770-4, C35770-5, C35770-6, C35770-7, C35770-8, C35770-9, C35770-10, C35770-11, C35770-12, C35770-13
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35770
Account: ERMCAI - ERM-Irvine
Project: BF Goodrich Superfund Sampling,Rialto

| Analyte | Batch ID | Units | Spike Amount | BSD Result | RPD | QC Limit |
|---|---|---|---|---|---|---|
| Perchlorate | GP6822/GN14506 | ug/l | 25 | 23.2 | 3.1 | |
| Perchlorate | GP6823/GN14507 | ug/l | 25 | 24.2 | 2.0 | |

Associated Samples:
Batch GP6822: C35770-4, C35770-8, C35770-9, C35770-10, C35770-11
Batch GP6823: C35770-2, C35770-3, C35770-5, C35770-6, C35770-7, C35770-12, C35770-13
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35770
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 | GN14502 | C35770-8 | umhos/cm | 343 | 338 | 1.5 | 0-10% |
| Specific Conductivity | GN14502 | C35770-3 | umhos/cm | 390 | 394 | 1.0 | 0-10% |

Associated Samples:
Batch GN14502: C35770-2, C35770-3, C35770-4, C35770-5, C35770-6, C35770-7, C35770-8, C35770-9, C35770-10, C35770-11, C35770-12, C35770-13
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35770
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 | GP6823/GN14507 | C35770-3 | ug/l | 666 | 1250 | 1850 | 94.7 | 80-120% |

Associated Samples:
Batch GP6822: C35770-4, C35770-8, C35770-9, C35770-10, C35770-11
Batch GP6823: C35770-2, C35770-3, C35770-5, C35770-6, C35770-7, C35770-12, C35770-13
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C35770
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 | GP6823/GN14507 | C35770-3 | ug/l | 666 | 1250 | 1820 | 1.6 | 15% |

Associated Samples:
Batch GP6822: C35770-4, C35770-8, C35770-9, C35770-10, C35770-11
Batch GP6823: C35770-2, C35770-3, C35770-5, C35770-6, C35770-7, C35770-12, C35770-13
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

*Appendix D*

*Data Validation Reports*

# Memorandum

**Environmental Resources Management**

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(949) 623-4700
(949) 623-4711 (fax)

**To:** Chris Berg

**From:** Irene Lavigne

**Date:** 10 October 2014

**Subject:** Data Review of the Rockets, Fireworks and Flares Site, Rialto, CA - Groundwater Samples Collected August 2014

**Project Number:** 0179962.04.C

**Data Packages:** Accutest Laboratories Data Packages C35733, C35734, C35768, C35769, and C35770

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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.

## *HOLDING TIME AND PRESERVATION EVALUATION*

The sample shipments were received at the laboratory within the method-prescribed temperature and preservation requirements. None of the data were qualified based on temperature or preservation exceedances.

The samples were prepared and analyzed within the method-prescribed time period from the date of collection with limited exceptions. Two samples were reanalyzed for volatile organic compounds (VOCs) two days outside of the 14-day acceptable holding time for this analysis. Detected and nondetected results for these samples were qualified as estimated, "J" and "UJ", respectively. The samples analyzed outside of acceptable holding time are presented in Table 1.

## *BLANK EVALUATION*

The method blank, equipment blank, field blank, and trip blank sample results were nondetected for each of the target analytes with a number of exceptions. Several blank sample results for acetone and perchlorate were detected above the method detection limit. Associated sample results were qualified as nondetected (U), as listed in Table 2. Not all of the

associated samples required qualification. Additionally, blank detections for specific conductivity did not warrant qualification of associated sample data. Sample data were not qualified if the associated samples were nondetected for the corresponding compounds, or if the sample concentrations exceeded 10 times the blank detections. The blank detections and associated, qualified data are listed in Table 2.

### *BLANK SPIKE EVALUATION*

The blank spike sample (BSS) and blank spike duplicate (BSD) recoveries were within the laboratory's limits of acceptance with limited exceptions. No sample data were qualified based on the BSS/BSD outliers. Data were not qualified if the data could be verified using an associated, in-control matrix spike recovery, if the recoveries were biased high and the sample results were nondetected for the corresponding compounds, or if only one recovery in a BSS/BSD pair exceeded control limits. The outlying BSS/BSD recoveries are shown in Table 3.

### *MATRIX SPIKE EVALUATION*

The matrix spike (MS) and matrix spike duplicate (MSD) recoveries were within the laboratory's limits of acceptance with a number of exceptions. The outlying MS/MSD recoveries did not warrant qualification of associated sample data. Sample data were not qualified if the spike sample was prepared using a non-client sample, if the data could be verified using associated, in-control BSS/BSD recoveries, or if only one recovery in the MS/MSD pair exceeded control limits. The MS outliers are presented in Table 4.

### *SURROGATE SPIKE EVALUATION*

The surrogate recoveries were within acceptable limits. No qualifications to the data were made. The surrogate recoveries indicate minimal matrix interference in the samples.

## *FIELD DUPLICATE EVALUATION*

Five samples were collected and submitted in duplicate. ERM calculated the relative percent difference (RPD) between detected sample 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 duplicate detections and calculated RPDs is provided in Table 5.

## *ANALYTICAL DUPLICATE EVALUATION*

The laboratory prepared and analyzed several samples for specific conductivity as analytical duplicates. All of the RPDs were within the acceptable laboratory limit of 10%.

## *CONTINUING CALIBRATION EVALUATION*

The laboratory noted that continuing calibration verification (CCV) recoveries for various compounds in a number of samples did not meet acceptable control limits. The CCV outliers did not result in qualification of associated data because the recoveries were biased high and the samples were nondetected for the corresponding compounds. The outlying CCV recoveries are shown 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*
*Samples with Exceeded Holding Times*
*Groundwater Samples Collected August 2014*
*Rockets, Fireworks and Flares Site*
*Rialto, California*

| Lab Package | Sample ID | Method | Holding Time (days) | Days Exceeded | ERM Qualifier |
|---|---|---|---|---|---|
| | | | | | |
| C35770 | PW-8D-GW-28/08/2014 | VOC | 14 | 2 | UJ |
| C35770 | PW-8C-GW-28/08/2014 | VOC | 14 | 2 | J/UJ |
| | | | | | |

Data packages reviewed: C35733, C35734, C35768, C35769, C35770

**Key:**
VOC = Volatile organic compounds; Method 8260B
UJ = Nondetected sample result qualified as estimated
J = Detected sample result qualified as estimated

*Table 2*
*Blank and Associated Suspect Sample Detections*
*Groundwater Samples Collected August 2014*
*Rockets, Fireworks and Flares Site*
*Rialto, California*

| Lab Package | Blank ID | Associated Samples | Detected Compound | Reported Concentration | Report Limit | Units | ERM Qualifier |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| C35734 | 26082014FB1 | See below | Acetone | 5.5 | 20 | µg/L | -- |
| C35734 | -- | EMW-01B-556-GW-26/08/2014 | Acetone | 12.2 | 20 | µg/L | 20 U |
| C35734 | -- | EMW-01A-470-GW-26/08/2014 | Acetone | 16.2 | 20 | µg/L | 20 U |
| C35734 | -- | EMW-04B-605-GW-26/08/2014 | Acetone | 36.6 | 20 | µg/L | 36.6 U |
| C35734 | -- | EMW-04C-690-GW-26/08/2014 | Acetone | 20.2 | 20 | µg/L | 20.2 U |
| C35734 | -- | EMW-03B-560-GW-26/08/2014 | Acetone | 12.4 | 20 | µg/L | 20 U |
| C35734 | -- | 2602014D-1 | Acetone | 17.6 | 20 | µg/L | 20 U |
| | | | | | | | |
| C35768 | 29082014EB-1 | See below | Acetone | 4.2 | 20 | µg/L | -- |
| C35768 | 29082014FB-3 | See below | Acetone | 5.8 | 20 | µg/L | -- |
| C35768 | -- | EMW-05A-450-GW-29/08/2014 | Acetone | 9.0 | 20 | µg/L | 20 U |
| C35768 | -- | EMW-05C-720-GW-29/08/2014 | Acetone | 9.2 | 20 | µg/L | 20 U |
| C35768 | 29082014EB-1 | See below | Perchlorate | 0.91 | 3.0 | µg/L | -- |
| C35768 | -- | EPA-MP4D-GW-29/08/2014 | Perchlorate | 0.92 | 3.0 | µg/L | 3.0 U |
| C35768 | -- | EPA-MP4C-GW-29/08/2014 | Perchlorate | 0.87 | 3.0 | µg/L | 3.0 U |
| C35768 | -- | EPA-MP4B-GW-29/08/2014 | Perchlorate | 1.4 | 3.0 | µg/L | 3.0 U |
| C35768 | -- | EPA-MP4A-GW-29/08/2014 | Perchlorate | 3.2 | 3.0 | µg/L | 3.2 U |
| | | | | | | | |
| C35769 | 28082014FB-2 | See below | Acetone | 6.5 | 20 | µg/L | -- |
| C35769 | -- | EMW-03A-418-GW-28/08/2014 | Acetone | 19.1 | 20 | µg/L | 20 U |
| C35769 | -- | EMW-03C-640-GW-28/08/2014 | Acetone | 52.2 | 20 | µg/L | 20 U |
| C35769 | -- | EMW-04A-450-GW-28/08/2014 | Acetone | 15.5 | 20 | µg/L | 20 U |
| C35769 | -- | EPA-MW-9A-535-GW-28/08/2014 | Acetone | 24.3 | 20 | µg/L | 20 U |
| C35769 | -- | EPA-MW-9B-725-GW-28/08/2014 | Acetone | 10.0 | 20 | µg/L | 20 U |
| C35769 | -- | 1N/5W-34D3S-600-GW-28/08/2014 | Acetone | 4.5 | 20 | µg/L | 20 U |
| C35769 | -- | 1N/5W-34D2S-770-GW-28/08/2014 | Acetone | 6.4 | 20 | µg/L | 20 U |
| C35769 | -- | PW-4-490-GW-28/08/2014 | Acetone | 5.3 | 20 | µg/L | 20 U |

*Table 2*
*Blank and Associated Suspect Sample Detections*
*Groundwater Samples Collected August 2014*
*Rockets, Fireworks and Flares Site*
*Rialto, California*

| Lab Package | Blank ID | Associated Samples | Detected Compound | Reported Concentration | Report Limit | Units | ERM Qualifier |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| C35769 | -- | 28082014D-1 | Acetone | 22.5 | 20 | µg/L | 20 U |
| C35769 | -- | 28082014D-2 | Acetone | 6.7 | 20 | µg/L | 20 U |
| C35769 | 28082014FB-2 | NA | Specific conductivity | 2.1 | 1.0 | umhos/cm | -- |
| | | | | | | | |
| C35770 | 28082014EB | NA | Specific conductivity | 3.9 | 1.0 | umhos/cm | -- |
| | | | | | | | |
| C35733 | 27082014EB-1 | NA | Specific conductivity | 3.7 | 1.0 | umhos/cm | -- |
| | | | | | | | |

Data packages reviewed: C35733, C35734, C35768, C35769, C35770

**Key:**
FB = Field blank
EB = Equipment blank
µg/L = Micrograms per liter
U = Nondetected
umhos/cm = Micromhos per centimeter

*Table 3*
*Blank Spike Recoveries Outside of Acceptable Limits*
*Groundwater Samples Collected August 2014*
*Rockets, Fireworks and Flares Site*
*Rialto, California*

| Lab Package | Spike Sample ID | Associated Sample | Compound | Recovery (%) | Limit (%) | RPD | RPD Limit | Sample Result | ERM Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| C35733 | VW1730-BSS/BSD | NA | Tert-butyl alcohol | 174/176 | 60-149 | 1 | 26 | -- | -- |
| C35733 | VW1733-BSS/BSD | NA | Tert-butyl alcohol | 145/183 | 60-149 | 23 | 26 | -- | -- |
| | | | | | | | | | |
| C35734 | VW1728-BSS/BSD | NA | Tert-butyl alcohol | 150/140 | 60-149 | 7 | 26 | -- | -- |
| C35734 | VW1729-BSS/BSD | NA | Tert-butyl alcohol | 154/144 | 60-149 | 7 | 26 | -- | -- |
| C35734 | VW1730-BSS/BSD | NA | Tert-butyl alcohol | 174/176 | 60-149 | 1 | 26 | -- | -- |
| | | | | | | | | | |
| C35768 | VW1733-BSS/BSD | NA | Tert-butyl alcohol | 145/183 | 60-149 | 23 | 26 | -- | -- |
| | | | | | | | | | |
| C35769 | VW1731-BSS/BSD | NA | Tert-butyl alcohol | 154/146 | 60-149 | 5 | 26 | -- | -- |
| | | | | | | | | | |
| C35770 | VW1733-BSS/BSD | NA | Tert-butyl alcohol | 145/183 | 60-149 | 23 | 26 | -- | -- |
| C35770 | VV812-BSS/BSD | NA | Tert-butyl alcohol | 156/194 | 60-149 | 22 | 26 | -- | -- |
| | | | | | | | | | |

Data packages reviewed: C35733, C35734, C35768, C35769, C35770

**Key:**
RPD = Relative percent difference
BSS/BSD = Blank spike sample/blank spike duplicate
NA = Not applicable; associated samples not qualified

*Table 4*
*Matrix Spike Recoveries Outside of Acceptable Limits*
*Groundwater Samples Collected August 2014*
*Rockets, Fireworks and Flares Site*
*Rialto, California*

| Lab Package | Spike Sample ID | Associated Sample | Compound | Recovery (%) | Limit (%) | RPD | RPD Limit | Sample Result | ERM Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| C35734 | Batch MS/MSD | NA | sec-Butylbenzene | 72/71 | 74-128 | 1 | 18 | -- | -- |
| C35734 | Batch MS/MSD | NA | Hexachlorobutadiene | 63/65 | 69-135 | 4 | 20 | -- | -- |
| | | | | | | | | | |
| C35769 | 1N/5W-34D2S-770-GW-28/08/2014 MS/MSD | NA | 1,2,3-Trichlorobenzene | 66/68 | 70-133 | 2 | 18 | -- | -- |
| C35769 | PW-5D-GW-28/08/2014 MS/MSD | NA | Hexachlorobutadiene | 68/71 | 69-135 | 4 | 20 | -- | -- |
| C35769 | PW-5D-GW-28/08/2014 MS/MSD | NA | Tert-butyl alcohol | 138/151 | 60-149 | 9 | 26 | -- | -- |
| C35769 | PW-5D-GW-28/08/2014 MS/MSD | NA | 1,2,3-Trichlorobenzene | 68/74 | 70-133 | 8 | 18 | -- | -- |
| | | | | | | | | | |
| C35770 | PW-5D-GW-28/08/2014 MS/MSD | NA | Hexachlorobutadiene | 68/71 | 69-135 | 4 | 20 | -- | -- |
| C35770 | PW-5D-GW-28/08/2014 MS/MSD | NA | Tert-butyl alcohol | 138/151 | 60-149 | 9 | 26 | -- | -- |
| C35770 | PW-5D-GW-28/08/2014 MS/MSD | NA | 1,2,3-Trichlorobenzene | 68/74 | 70-133 | 8 | 18 | -- | -- |
| C35770 | Batch MS/MSD | NA | Styrene | 56/67 | 72-134 | 17 | 16 | -- | -- |
| | | | | | | | | | |

Data packages reviewed: C35733, C35734, C35768, C35769, C35770

**Key:**
RPD = Relative percent difference
Batch = Spike sample prepared using non-client sample
MS/MSD = Matrix spike/matrix spike duplicate
NA = Not applicable; associated samples not qualified

*Table 5*
*Field Duplicate Results and Calculated Relative Percent Differences*
*Groundwater Samples Collected August 2014*
*Rockets, Fireworks and Flares Site*
*Rialto, California*

| Lab Package | Sample ID : Duplicate ID | Compound | Concentration Sample | Concentration Duplicate | Report Limit | Units | RPD |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| C35734 | EMW-01A-470-GW-28/08/2014 : 2602014D-1 | Acetone | 16.2 | 17.6 | 20 | µg/L | 8.3 |
| C35734 | EMW-01A-470-GW-28/08/2014 : 2602014D-1 | 1,2-Dichloroethane | 1.6 | 1.5 | 1.0 | µg/L | 6.5 |
| C35734 | EMW-01A-470-GW-28/08/2014 : 2602014D-1 | Toluene | 10.6 | 10.2 | 1.0 | µg/L | 3.8 |
| C35734 | EMW-01A-470-GW-28/08/2014 : 2602014D-1 | Trichloroethylene | 2.6 | 2.5 | 1.0 | µg/L | 3.9 |
| C35734 | EMW-01A-470-GW-28/08/2014 : 2602014D-1 | Perchlorate | 12.6 | 12.7 | 3.0 | µg/L | 0.8 |
| C35734 | EMW-01A-470-GW-28/08/2014 : 2602014D-1 | Specific Conductivity | 329 | 328 | 1.0 | umhos/cm | 0.3 |
| | | | | | | | |
| C35768 | EPA-MP4C-GW-29/08/2014 : 29082014D-1 | Trichloroethylene | 1.2 | 1.5 | 1.0 | µg/L | 22 |
| C35768 | EPA-MP4C-GW-29/08/2014 : 29082014D-1 | Specific Conductivity | 477 | 477 | 1.0 | umhos/cm | 0 |
| | | | | | | | |
| C35769 | EMW-03A-418-GW-28/08/2014 : 28082014D-1 | Acetone | 19.1 | 22.5 | 20 | µg/L | 16 |
| C35769 | EMW-03A-418-GW-28/08/2014 : 28082014D-1 | 1,2-Dichloroethane | 1.1 | 1.2 | 1.0 | µg/L | 8.7 |
| C35769 | EMW-03A-418-GW-28/08/2014 : 28082014D-1 | Toluene | 21.2 | 21.3 | 1.0 | µg/L | 0.5 |
| C35769 | EMW-03A-418-GW-28/08/2014 : 28082014D-1 | Trichloroethylene | 0.40 | 0.44 | 1.0 | µg/L | 10 |
| C35769 | EMW-03A-418-GW-28/08/2014 : 28082014D-1 | Perchlorate | 19.7 | 20.7 | 3.0 | µg/L | 5.0 |
| C35769 | EMW-03A-418-GW-28/08/2014 : 28082014D-1 | Specific Conductivity | 424 | 421 | 1.0 | umhos/cm | 0.7 |
| C35769 | 1N/5W-34D3S-600-GW-28/08/2014 : 28082014D-2 | Acetone | 4.5 | 6.7 | 20 | µg/L | 39 |
| C35769 | 1N/5W-34D3S-600-GW-28/08/2014 : 28082014D-2 | 1,2-Dichloroethane | 0.49 | 0.58 | 1.0 | µg/L | 17 |
| C35769 | 1N/5W-34D3S-600-GW-28/08/2014 : 28082014D-2 | Trichloroethylene | 1.8 | 2.7 | 1.0 | µg/L | 40 |
| C35769 | 1N/5W-34D3S-600-GW-28/08/2014 : 28082014D-2 | Perchlorate | 200 | 196 | 30 | µg/L | 2.0 |
| C35769 | 1N/5W-34D3S-600-GW-28/08/2014 : 28082014D-2 | Specific Conductivity | 387 | 388 | 1.0 | umhos/cm | 0 |
| | | | | | | | |
| C35770 | PW-8D-GW-28/08/2014 : 28082014D-1-PW-8D | Specific Conductivity | 327 | 327 | 1.0 | umhos/cm | 0 |
| | | | | | | | |

Data packages reviewed: C35733, C35734, C35768, C35769, C35770

**Key:**
RPD = Relative percent difference µg/L = Micrograms per liter umhos/cm = Micromhos per centimeter

*Table 6*
*Calibration Verification Recoveries Outside of Acceptable Limits*
*Groundwater Samples Collected August 2014*
*Rockets, Fireworks and Flares Site*
*Rialto, California*

| Lab Package | Sample ID | Compound | CCV Recovery | Reported Concentration | Units | ERM Qualifier |
|---|---|---|---|---|---|---|
| | | | | | | |
| C35733 | 27082014TB-1 | Methyl chloride | High | < 1.0 | µg/L | -- |
| C35733 | 27082014TB-1 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35733 | PW-6E-GW-27/08/2014 | Methyl chloride | High | < 1.0 | µg/L | -- |
| C35733 | PW-6E-GW-27/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35733 | PW-6D-GW-27/08/2014 | Methyl chloride | High | < 1.0 | µg/L | -- |
| C35733 | PW-6D-GW-27/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35733 | 27082014EB-1 | Methyl chloride | High | < 1.0 | µg/L | -- |
| C35733 | 27082014EB-1 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35733 | PW-6C-GW-27/08/2014 | Methyl chloride | High | < 1.0 | µg/L | -- |
| C35733 | PW-6C-GW-27/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35733 | PW-6B-GW-27/08/2014 | Methyl chloride | High | < 1.0 | µg/L | -- |
| C35733 | PW-6B-GW-27/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35733 | PW-7G-GW-27/08/2014 | Methyl chloride | High | < 1.0 | µg/L | -- |
| C35733 | PW-7G-GW-27/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35733 | PW-7F-GW-27/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35733 | PW-7E-GW-27/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35733 | PW-7D-GW-27/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35733 | PW-7C-GW-27/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35733 | PW-7B-GW-27/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| | | | | | | |
| C35734 | 26082014TB-1 | 2,2-Dichloropropane | High | < 1.0 | µg/L | -- |
| C35734 | 26082014TB-1 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35734 | 26082014FB1 | 2,2-Dichloropropane | High | < 1.0 | µg/L | -- |
| C35734 | 26082014FB1 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35734 | EMW-01B-556-GW-26/08/2014 | 2,2-Dichloropropane | High | < 1.0 | µg/L | -- |
| C35734 | EMW-01B-556-GW-26/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35734 | EMW-01A-470-GW-26/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35734 | EMW-04B-605-GW-26/08/2014 | Methyl chloride | High | < 1.0 | µg/L | -- |
| C35734 | EMW-04B-605-GW-26/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35734 | EMW-04C-690-GW-26/08/2014 | Methyl chloride | High | < 1.0 | µg/L | -- |
| C35734 | EMW-04C-690-GW-26/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35734 | EMW-03B-560-GW-26/08/2014 | Methyl chloride | High | < 1.0 | µg/L | -- |
| C35734 | EMW-03B-560-GW-26/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |

*Table 6*
*Calibration Verification Recoveries Outside of Acceptable Limits*
*Groundwater Samples Collected August 2014*
*Rockets, Fireworks and Flares Site*
*Rialto, California*

| Lab Package | Sample ID | Compound | CCV Recovery | Reported Concentration | Units | ERM Qualifier |
|---|---|---|---|---|---|---|
| | | | | | | |
| C35734 | 2602014D-1 | Methyl chloride | High | < 1.0 | µg/L | -- |
| C35734 | 2602014D-1 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| | | | | | | |
| C35768 | 29082014TB-1 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35768 | 29082014EB-1 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35768 | EPA-MP4E-GW-29/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35768 | EPA-MP4D-GW-29/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| | | | | | | |
| C35769 | 28082014TB-2 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35769 | 28082014FB-2 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35769 | EMW-03A-418-GW-28/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35769 | EMW-03C-640-GW-28/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35769 | EMW-04A-450-GW-28/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35769 | EPA-MW-9A-535-GW-28/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35769 | EPA-MW-9B-725-GW-28/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35769 | 1N/5W-34D3S-600-GW-28/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35769 | 1N/5W-34D2S-770-GW-28/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35769 | PW-2-475-GW-28/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35769 | PW-3-490-GW-28/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35769 | PW-4-490-GW-28/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35769 | 28082014D-1 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35769 | 28082014D-2 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| | | | | | | |
| C35770 | 28082014TB-1 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35770 | PW-5E-GW-28/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35770 | PW-5D-GW-28/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35770 | 28082014EB | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35770 | PW-5C-GW-28/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35770 | PW-5B-GW-28/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35770 | PW-5A-GW-28/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35770 | PW-8E-GW-28/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35770 | 28082014D-1-PW-8D | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| C35770 | PW-8B-GW-28/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |

*Table 6*
*Calibration Verification Recoveries Outside of Acceptable Limits*
*Groundwater Samples Collected August 2014*
*Rockets, Fireworks and Flares Site*
*Rialto, California*

| Lab Package | Sample ID | Compound | CCV Recovery | Reported Concentration | Units | ERM Qualifier |
|---|---|---|---|---|---|---|
| | | | | | | |
| C35770 | PW-8A-GW-28/08/2014 | Tert-butyl alcohol | High | < 10 | µg/L | -- |
| | | | | | | |

Data packages reviewed: C35733, C35734, C35768, C35769, C35770

**Key:**
CCV = Continuing calibration verification
High = CCV exceeded maximum acceptable limit
µg/L = Micrograms per liter